

## PRESS RELEASE

### New Generation of PIM Rack Analyzer for Precise RF Measurements

Modular system covers all relevant mobile frequency bands from 300 to 6000 MHz

**Fridolfing, Germany, April 16, 2026** – Rosenberger is expanding its portfolio of passive intermodulation test equipment with the latest generation of PIM Rack Analyzers. This modular system has been designed for users in laboratory and production environments who require fast, precise, and consistent PIM measurements across all relevant mobile frequency bands.

The system design is based on cascading filter units, with up to six filters for different frequency bands that can be connected to each base unit. The filters are field-replaceable and operate according to a plug-and-play concept that minimizes changeover times. Automatic band switching makes the system particularly well suited to production environments involving frequent frequency band changes.

The new generation offers high measurement speeds, a wide frequency bandwidth and precise analysis functions. The integrated Distance-to-PIM (DTP) function enables the quick and accurate identification of interference sources, significantly speeding up the fault diagnosis process.

Broadband VNA functionality is available as a hardware option directly at the same test port. This allows for the precise localisation of VSWR mismatches. Consequently, users can perform PIM measurements and vector network analysis efficiently with a single system, eliminating the need for additional test equipment.

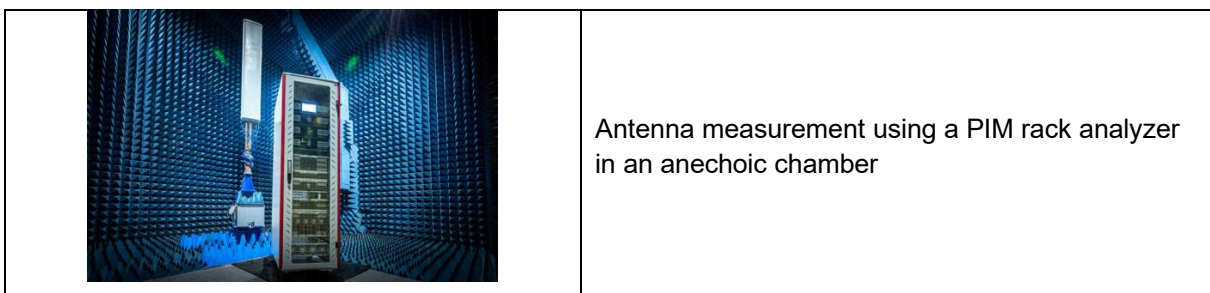
#### Multi-Port and Multi-Frequency Test Solution

To complement the rack solution, Rosenberger offers a multiport analyzer configuration that enables simultaneous testing across multiple ports and frequency bands. Multiple base units and filters connect directly to the device under test via a combiner unit. This setup reduces the number of connector cycles and significantly shortens the overall testing time.



PIM test equipment is essential for ensuring the quality of modern mobile networks. Passive intermodulation, which arises from nonlinear effects in RF components, can cause interference in the form of reduced data rates or unstable connections. Therefore, precise measurement and analysis technology is essential for detecting and addressing such effects at an early stage.

For more information, please visit: <https://www.rosenberger.com/product/pim-rack-analyzer/>

**Images:** (royalty-free use with credit "Image: Rosenberger"):



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	<p>PIM-Rack-Analyzer</p>
	<p>Filter module with coaxial connector, suitable for installation in the PIM rack analyzer</p>

### About Rosenberger

Rosenberger is a globally renowned manufacturer of electronic components and systems, recognized for cutting-edge technologies, engineering excellence, and uncompromising quality. Headquartered in Germany, the Rosenberger Group operates worldwide with numerous sales and production locations, offering a broad range of standardized and customized connectivity solutions in RF, high-voltage, and fiber optic technologies.

Rosenberger ensures the reliable transmission of signals, data, and power in the most demanding application areas. Leading high-tech companies across sectors such as mobile communications and telecommunications, industrial measurement technology, automotive electronics, medical and industrial electronics, data centers, and aerospace rely on Rosenberger products for their precision and outstanding reliability.

The company's CNC machining division produces precision parts for various industries, including the automotive and commercial vehicle sectors, shipbuilding, and classic mechanical and plant engineering.

Since its founding in 1958, Rosenberger has been family-owned and currently employs around 15,000 people worldwide. The company's employees are known for their dedication, innovative spirit, and commitment to quality, all firmly rooted in the values of a traditional family business.

For more information, please visit: [www.rosenberger.com](http://www.rosenberger.com)

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