

**R&S®TE1**

# PIONEERING A NEW ERA OF BROADCAST DISTRIBUTION

Flyer  
Version 01.00

**ROHDE & SCHWARZ**

Make ideas real





An aerial night photograph of a city featuring a complex multi-level highway interchange with light trails from traffic. In the background, a waterfront area is visible with city lights and a Ferris wheel under a twilight sky.

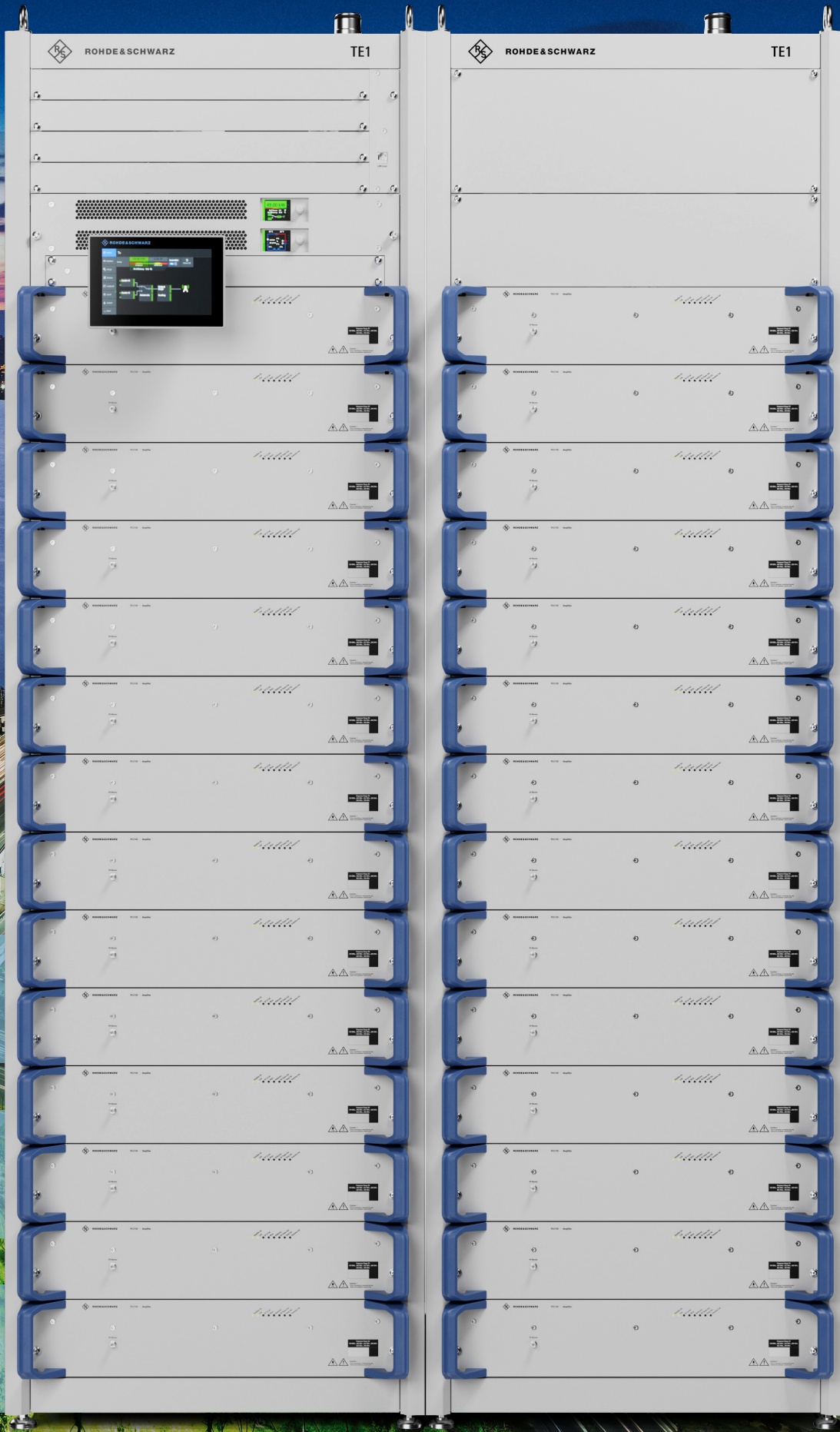
The new R&S<sup>®</sup>TE1 is the first liquid-cooled transmitter design post Repack. As an ATSC 3.0-native, it is made for sustainable broadcasting in the connected world and turns critical challenges into opportunities for broadcasters. Further refined, it is a true peace-of-mind solution that reduces operational cost, minimizes the carbon footprint of transmission, and creates new business opportunities.

**EFFICIENCY & SUSTAINABILITY**

**NEW BUSINESS OPPORTUNITIES**

**EASE OF USE AND OPERATION**





# SPECIFICATIONS IN BRIEF

## Cutting carbon emissions

- ▶ 15% lower energy consumption compared to most efficient current transmitter designs
- ▶ 40% lower carbon footprint against the average of the installed base
- ▶ Sophisticated liquid-cooling design disperses 90% of generated heat to the outside, enabling even higher footprint reductions

## Prepared for new business opportunities

- ▶ New software-defined exciter platform, highly flexible and scalable
- ▶ First ATSC 3.0-native transmitter
- ▶ Ready for future extensions of the ATSC 3.0 standard
- ▶ Prepared for 5G Broadcast

## Simplified maintenance and robust design

- ▶ Proven amplifier design – fully sealed, fan-less units
- ▶ Distributed system control
- ▶ Convenient maintenance via smartphones and tablets
- ▶ Continuous self-monitoring of key performance indicators

## Added value lifetime services

- ▶ Safety in operation with Rohde & Schwarz Service Packages
- ▶ Software maintenance and ensured availability of spare parts
- ▶ Remote support capabilities
- ▶ Priority access to Rohde & Schwarz experts

Find out more:







**R&S®TE1 reduces energy cost and carbon footprint significantly. The allocation for higher efficiency is made possible due to the unique Rohde & Schwarz amplifier and RF combiner design.**



**R&S®TE1 is the first ATSC 3.0-native transmitter and ready for 5G Broadcast. It unlocks new broadcast applications for the automotive industry and the Internet of Things, maximizing financial potential for operators through new business opportunities.**



**R&S®TE1 transmitter simplifies maintenance and operation significantly, making it a true peace-of-mind solution. It combines high reliability with easy troubleshooting and remote support capabilities directly from the manufacturer.**



## Service at Rohde & Schwarz You're in great hands

- ▶ Worldwide
- ▶ Local and personalized
- ▶ Customized and flexible
- ▶ Uncompromising quality
- ▶ Long-term dependability

### Rohde & Schwarz

The Rohde & Schwarz technology group is among the trail-blazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks & cybersecurity. Founded 90 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

### Sustainable product design

- ▶ Environmental compatibility and eco-footprint
- ▶ Energy efficiency and low emissions
- ▶ Longevity and optimized total cost of ownership

Certified Quality Management

ISO 9001

Certified Environmental Management

ISO 14001

### Rohde & Schwarz training

[www.training.rohde-schwarz.com](http://www.training.rohde-schwarz.com)

### Rohde & Schwarz customer support

[www.rohde-schwarz.com/support](http://www.rohde-schwarz.com/support)

