

R&S®SK4105

**HIGH-AVAILABILITY  
5 KW HF HIGH-POWER  
TRANSMITTERS**

Flyer  
Version 01.01

**ROHDE & SCHWARZ**

Make ideas real





The new 5 kW HF transmitter from Rohde & Schwarz provides improved quality and high availability. The HF high-power transmitter is a future-proof investment. Thanks to an innovative liquid cooling concept, the R&S®SK4105 HF high-power transmitter is optimized for reduced lifecycle costs.

1

#### High-power HF transmitter

The output power in the new HF transmitter of up to 5 kW provides improved voice quality across vast distances. The transmitter's components are software defined so new functions or waveforms can be retrofitted easily, making it a future-proof investment.

2

#### Liquid-cooled amplifiers

The innovative cooling system in the new high-power transmitters improves availability and significantly reduces the air conditioning required in the building.

3

#### Small footprint

Housed in just a single rack, the new HF high-power transmitter reduces the space required by up to 75 %. In addition, improved power efficiency means power consumption has been reduced in this new HF high-power transmitter.

4

#### Built-in redundancy for high reliability

The new HF high-power transmitter provides operational redundancy in the critical modules thereby ensuring a very high level of availability.



The R&S®SK4105 HF high-power transmitter meets the requirements for advanced long-range communications with high reliability.

The innovative cooling concept minimizes operating costs.

1

High-power HF transmitter

3

Small footprint





2

Liquid-cooled amplifiers

4

Built-in redundancy for high reliability

# SPECIFICATIONS IN BRIEF

## Key facts

- ▶ HF wideband ready
- ▶ Liquid-cooled amplifiers – unique worldwide
- ▶ Compact and quiet – even when operated 24/7
- ▶ Built-in redundancy for high reliability
- ▶ Outstanding HF performance, e.g. phase noise
- ▶ Linearity performance exceeds industry standards
- ▶ R&S®M3SR Series4100 radio as the exciter
- ▶ ALE-3G and ALE-4G operation
- ▶ Operation with SELCAL
- ▶ Compliant with air traffic control standards ED-137B and ED-137C

## Service that adds value

- ▶ 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 more than 85 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



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