

R&S®CMW100 Communications Manufacturing Test Set

The radical new approach for ultimate smartphone production lines

The R&S®CMW100 communications manufacturing test set is a new trendsetting product for calibrating and verifying mobile phones. The R&S®CMW100 is ideal for use in fully automated robotic production lines:

- ▮ Parallel testing of up to eight antennas
- ▮ Close connection to test fixture
- ▮ Minimum space requirements, footprint and energy consumption
- ▮ Fanless for silent operation
- ▮ Highest reliability due to dustproof housing



R&S®CMW100 ready for
horizontal installation.

Key facts for the R&S®CMW100

- Continuous frequency range up to 6 GHz
- Multitechnology solution
- Parallel testing on up to eight RF ports
- High measurement performance
- High measurement accuracy
- Support of a wide range of methods for reducing test time and maximizing capacity utilization
- Minimum space requirements and footprint
- Low weight
- Silent
- High MTBF

Benefits of the R&S®CMW100

- Grow-as-you-go performance through future-oriented architecture
- High flexibility when designing production concepts thanks to horizontal or vertical mounting
- Short implementation time and ramp-up phase thanks to R&S®CMW500 compatible T&M and remote control concept
- High accuracy and throughput thanks to fully automatic level correction
- Eco-friendly due to minimal space requirements and low energy consumption

The R&S®CMW100 at a glance

Smartphones and tablets support an increasing number of technologies and frequency bands. As a result, more transmitters, receivers and antenna paths need to be tested. Advanced production concepts must take into account this growing complexity while lowering costs at the same time. The demands on the performance, capacity utilization and flexibility of T&M equipment are rising dramatically.

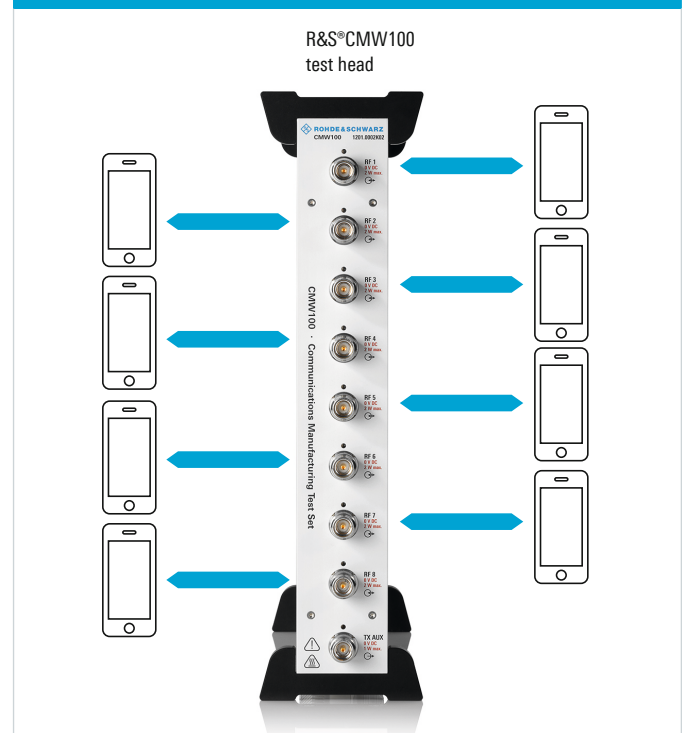
The R&S®CMW100 communications manufacturing test set is a follow-up development of the R&S®CMW500, the world market leader for UE production tests. The very compact R&S®CMW100 offers high flexibility coupled with low space requirements. Based on a new eco-friendly hardware concept, it features extremely low energy consumption.

Up to eight antennas can be tested in parallel with the R&S®CMW100. It can be installed vertically or horizontally. These features offer unprecedented flexibility when designing production lines. The open architecture of the R&S®CMW100 makes it possible to quickly integrate the latest computer technologies, ensuring the best test performance – today and tomorrow.

The R&S®CMW100 test set's remote control and measurement concept and its test time optimization and capacity utilization methods are compatible with the R&S®CMW500. Existing implementation know-how can be reused and development time significantly shortened.

The R&S®CMW100 offers high measurement accuracy as a basis for high production throughput. This accuracy is the result of the proven, fully automatic level, frequency and temperature compensation concept.

Parallel testing of eight DUTs with the R&S®CMW100



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PD 3607.1942.32 | Version 01.00 | December 2015 (ch)
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