

# WWG MMS-4300 Series



Quick, complete, reliable CDMA and TDMA testing for mobile phone testing repair shops, depots, and customer centers.



# Mobile Phone Test System

## CDMA and TDMA Mobile Phone Testing

Wavetek Wandel Goltermann's MMS-4300 Series are powerful new test solutions designed to help service depots and repair facilities test CDMA and TDMA phones faster, more thoroughly, and with fewer trained technicians – maximizing quality of service and lowering inventory costs.

### Easy to Operate

The Model 4300 Series features a friendly user-interface that helps technicians learn faster. A new RapidStart Users' Guide steers technicians quickly through the instrument's operation instructions, so initial training time can be minimized. With its simple automated test procedures, the 4300 Series allows moderately trained service technicians to perform successful tests. The instrument's large display clearly presents test results for easy viewing, while its small footprint requires minimal bench space.

A range of optional accessories supports the 4300 Series, including a wide range of RF cable adapters, a universal antenna coupler, and a shield box. Additionally, WWG now includes a GPIB interface and 10 MHz External Reference as standard features, enhancing stability and improving data handling capabilities.

### Improved Protocol Testing

Ideal for service and repair depots, the 4300 Series delivers accurate RF measurements and thoroughly tests modern, feature-rich mobile phones. Significant CDMA and TDMA protocol testing advancements are incorporated into the 4300 Series, enabling more thorough testing via computer-guided remote control, manual verification, and AUTORUN test sequences.

CDMA Summary		Messages
Mobile Transmitter		Channel Setup
Waveform qual	0.9500	Loopback / Voice
Freq Error	100 Hz	Power Control
Time Error	-0.07 us	Transmit Tests
Power	-20.0 dBW	Receiver Tests
-----		Power Tests
Mobile Receiver		Release
Reported FER	0.72%	
Sector 1 Pilot	-10.5 dB	
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DC Power	0.0 W 0.00 V 0.00 A	
PN	511	
Channel	283	
Traffic	17	
Base Pwr	-74.0	

▲ CDMA Summary Screen

### CDMA Features (4302 / 4303)

New CDMA features include softer handoff testing, PCS power class determinations, and mobile-reported power and pilot strength measurements.

### TDMA Features (4304 / 4305)

Using the TDMA systems, technicians now can test audio power out, either ACELP or VSELP voice CODEC measurements, and conduct I / Q tuning for mobile phone alignment.

### Designed for Expansion

The 4300 Series platform enables future expansion and upgrades, protecting the user's hardware investment. To enhance technician productivity, software upgrades are simply downloaded from the web and installed onto the instrument, which now offers twice as much memory as previous testers.



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