Companies Combine Efforts to Deliver Optimized WiMAX/GSM-EDGE RF Calibration for Mass Production

Comsys Communication & Signal Processing Ltd and Rohde & Schwarz have announced that they have jointly developed a customized test solution for RF calibration offering customers the most cost-effective test solution for RF testing, calibration and signal testing in devices incorporating Comsys Mobile's ComMAX&#153 CM1125 mobile WiMAX/GSM-EDGE modules.

This highly optimized solution is based on Rohde & Schwarz RF production testers into which the ComMAX SoC testing scheme was ported and fully optimized for automated testing.

The solution combines alignment and verification with maximum throughput tests in a single box for production-line emulation of a base station. Test engineers are able to quickly build a competitive test platform to test their new designs, while manufacturers are able to automatically align transmitter/receiver functions such as frequency response and linearity. This enables quick ramp-up of the production line and maximum throughput.

For mobile WiMAX RF calibration, the R&S CMW270 was chosen. This is a very fast one-box tester for the production and R&D of WiMAX mobile stations. For GSM/EDGE RF calibration, the R&S CMU200 was used. This is a market-established mobile radio tester for production as well as R&D.

Comsys Mobile's ComMAX&#153 CM1125 single-chip multimode mobile WiMAX/GSM-EDGE baseband processor features full mobility support, low power operation and integrated support for legacy cellular networks. ComMAX CM1125 comes with a unique multimode handset reference design platform enabling rapid development of converged mobile WiMAX/cellular devices.

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