CETECOM USA Installs Anritsu LTE and W-CDMA Test Solutions as Part of Comprehensive Laboratory Offering

CETECOM Inc., the North American division of the CETECOM global network, has chosen Anritsu LTE and W-CDMA (HSPA+) test solutions as part of its Certification and Operator Interoperability Test (IOT) offering in San Diego. The selection of the ME7873F and ME7873L W-CDMA/LTE RF Conformance Test Systems, ME7832A 3G Protocol Conformance Test System, ME7832L LTE Protocol Conformance Test System, and ME7833L LTE Operator IOT System helps establish an independent test center that provides wireless OEMs and ODMs with 3G/4G conformance and IOT testing in a single facility.

“Anritsu has helped us progress our San Diego laboratory to conduct conformance and operator IOT tests on 3G and 4G user equipment and devices,” said Lars Eriksson, COO of CETECOM Inc. “Anritsu test solutions are part of our turnkey system that can conduct all the necessary carrier interoperability tests so that wireless manufacturers can ensure compliance with 3GPP and operator standards.”

“Wireless equipment manufacturers developing products utilizing advanced 3G and LTE technologies now have an independent laboratory that can certify the compliance and interoperability of their products,” said Wade Hulon, Vice President and General Manager of Anritsu Company, Americas Sales Region. “Anritsu’s role with this laboratory is another example of our commitment to next-generation technologies such as LTE.” Anritsu’s highly flexible MD8430A LTE Signaling tester is a core element of the majority of test systems acquired by CETECOM. Using tailored GUIs for each application, as well as additional equipment to fit specific test requirements, these test systems provide a complete suite of features and functionality essential to RF and protocol certification testing as well as certification to specific carrier acceptance test plans. The Rapid Test Designer (RTD) software allows CETECOM engineers to create independent test cases in a graphical environment, a feature not available with traditional language-based tools.

The ME7873F and ME7873L are integrated TRX, performance, and RRM test solutions that provide the most PTCRB-approved test cases in the industry. They support testing in either a test call or no-call test mode. LTE bands currently supported include 1 to 14, and 17. Combined W-CDMA and LTE configurations are available, supporting W-CDMA testing from Rel. 99 to Rel. 7, as well as LTE with simultaneous testing of both technologies.

Anritsu’s LTE Protocol Conformance Test System, the ME7832L, features GCF and PTCRB-validated test cases conforming to 3GPP 36.523, as well as a broad selection of bands aligning with new LTE networks currently in deployment. The ME7832A 3G Protocol Conformance Test System is an integrated W-CDMA UE test solution that covers a broad selection of work items and test cases based on 3GPP TS34.123-1.

Anritsu developed the ME7833L to support the acceptance tests required by leading LTE carriers. It supports tests for LTE-eHRPD InterRAT handoffs, LTE-UTRAN/GERAN InterRAT handoffs, LTE data throughput (including MIMO and fading), Multi-mode network selection (LTE, cdma2000 1X, eHRPD, UTRAN, GERAN), SMS/IMS tests, data retry, and supplementary signaling tests.

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