

Press Release

August 9, 2005

With W-CDMA/GSM continuous testing and other reinforced functions, the Service Tester MT8510B realizes improved troubleshooting efficiency of W-CDMA/GSM dual-mode mobile terminals

Anritsu Corporation has reinforced the functions of its Service Tester MT8510B. It now can perform continuous troubleshooting of W-CDMA/GSM dual-mode mobile terminals, which are proliferating mainly in Europe, in the order W-CDMA*¹ then GSM*². The new MT8510B equipped with reinforced functions will be marketed from August 16, 2005.

Until now, troubleshooting of dual-mode mobile terminals has required the switching-over of the communication system (W-CDMA or GSM) and band (frequency). However, these switchover operations are no longer necessary using the new MT8510B, which allows troubleshooting of dual-mode mobile terminals to be performed with higher efficiency and accuracy.

W-CDMA/GSM dual-mode mobile terminal

A mobile terminal that is usable in both W-CDMA and GSM mobile telephone service networks.

[Development background]

Full-scale service of the W-CDMA mobile telephone system commenced in the autumn of 2004 in Europe and other areas, leading to a higher demand for W-CDMA/GSM dual-mode mobile terminals. As dual-mode mobile terminals proliferate, the number of them brought into mobile shops and other service facilities for troubleshooting is increasing accordingly.

Dual-mode mobile terminals employing a multi-band system not only conform to each of the W-CDMA and GSM communication systems, but also comply with the GSM system band that may differ in each region. So, conventional measuring instruments used for troubleshooting have until now required frequent communications-system and band-switching operations. To counteract this inefficiency and prevent faulty troubleshooting resulting from erroneous switchover operations, the industry has required a measuring instrument that can complete troubleshooting of dual-mode mobile terminals with fewer operations, higher accuracy and greater efficiency.

In December 2004, Anritsu developed the Service Tester MT8510B, which enabled primary troubleshooting of W-CDMA/GSM dual-mode mobile terminals, and has provided solutions that allow easy troubleshooting at mobile-terminal shops and other service facilities. Anritsu can now provide higher-efficiency, accuracy troubleshooting solutions for W-CDMA/GSM dual-mode mobile terminals by this

reinforcement of the MT8510B with the functions that automatically conduct mobile-terminal troubleshooting by controlling switchover operations of communication systems and frequency band.

[Product outline]

The Service Tester MT8510B is a measuring instrument that by itself can complete not only independent troubleshooting of W-CDMA and GSM mobile terminals but also continuous troubleshooting of W-CDMA/GSM dual-mode terminals. Installing the dedicated software for each communication system and in combination use with the Shield Box MA8120C, the MT8510B can perform troubleshooting such as radio characteristics tests of the W-CDMA system, GSM system and W-CDMA/GSM dual-mode system, as well as protocol/communication tests in an environment similar to actual operating conditions.

The reinforced MT8510B can conduct continuous troubleshooting of mobile terminals conforming to DCS1800/GSM900*³ and PCS1900/GSM850*⁴ multi-band of W-CDMA and GSM. In addition, test results can be saved inside the MT8510B. These results can be read out by a USB flash memory (standard equipment on the MT8510B) or by a remote-controlled PC which is LAN-connected with the MT8510B. This facilitates the building up of a database.

[Market and usage]

Service Tester MT8510B and related software

- For primary troubleshooting of W-CDMA/GSM mobile terminals in mobile shops and service counters of mobile-terminal manufacturers.

[Terminology]

***¹ W-CDMA (Wide Band Code Division Multiple Access)**

A 3G (third-generation) mobile communication system that is rapidly proliferating. It is conceived as a new-generation communication system that allows easy channel allotment and controlling (easy-to-realize multi-rate, asymmetric service and others), large communication capacity and economical operations.

***² GSM (Global System for Mobile Communications)**

Mobile terminal specifications standardized in Europe and the most popular 2G (second-generation) mobile communication system in the world.

***³ DCS1800/GSM900**

GSM service in the 900MHz and 1.8GHz bands. Mainly utilized in Europe and Asia.

***⁴ PCS1900/GSM850**

GSM service in the 850MHz and 1.9GHz bands. Mainly utilized in the Americas.