Testing IP-based Video Telephony/IMS Application
for CDMA2000 1xEV-DO Rev. A

IP-based Video Telephony Service and IMS

The high data speed and Quality-of-Service (QoS) capability of the 1xEV-DO Rev. A standard enhances CDMA2000 mobile communications. The IP Multimedia Subsystem (IMS) architecture offers multimedia services over IP networks and is a key technology in achieving IP convergence. IP-based Video Telephony is an advanced service supported by 1xEV-DO Rev. A and IMS, bringing challenges for mobile phone manufacturers to develop and release quality applications with appeal for subscribers.

Establishing Test Environment for IP-based Video Telephony Application

IP-based video telephony requires a wide range of new technologies, such as a new 1xEV-DO Rev. A bearer, Multi-Flow Packet Application, QoS, IMS including Session Initiation Protocol (SIP) signalling, and a video telephony application. This combination of new technologies makes verification of system operation difficult. However, by simulating a CDMA2000 network, the all-in-one MD8470A Signalling Tester provides an ideal benchtop test and verification environment. When combined with an external IMS server, it supports a highly integrated, end-to-end, video telephony test environment to assure proper functioning and good end-user experience.

Benefits of MD8470A Signalling Tester Environment

- Early testing in development phase reduces problems at field testing
- Sharing same test environment in different development labs increases troubleshooting efficiency
- Integrated and easy-to-setup simulation environment reduces learning curve

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