

ABSTRAK

Salah satu teknologi komunikasi wireless yang sedang mengalami kemajuan pesat ialah CDMA2000 1x EVDO. CDMA2000 1x EVDO didesain untuk mengoptimalkan layanan paket data untuk berbagai aplikasi antara lain: Web browsing, File transfer, VoIP, Wireless video conferencing, Streaming video, Wireless Network Gaming, Push to Talk dan Push to Media. CDMA2000 1x EVDO didesain mempunyai bandwidth yang sama, coverage area dan karakteristik spectral dengan CDMA2000 1x/IS-95 yaitu 1.25 MHz. PT. Bakrie Telecom tidak mau tertinggal dengan competitor lainnya, mulai ikut persaingan pasar. Bekerja sama dengan PT. Huawei, berusaha membangun jaringan yang menggunakan teknologi CDMA2000 1x EVDO untuk memungkinkan pengguna / user dapat menikmati layanan akses paket data kecepatan tinggi tersebut.

Penelitian ini merujuk pada pengujian performansi sinyal CDMA2000 1x EVDO untuk pengguna PT. Bakrie Telecom. Caranya ialah dengan melakukan indoor test di beberapa gedung / mall tempat konsentrasi banyak orang melakukan aktivitas. Dengan menggunakan software nemo outdoor 5, akan terlihat seperti apa performansi sinyal tersebut dan parameter-parameter seperti Rx Power, SINR, Throughput DL & UL.

Kata kunci : CDMA2000 1x EVDO, Indoor Test.

ABSTRACT

One of the wireless communication technology which is undergoing rapid progress is CDMA2000 1x EVDO. CDMA2000 1x EVDO service package designed to optimize data for various applications including: Web browsing, file transfer, VoIP, Wireless Video Conferencing, Streaming video, Wireless Gaming Network, Push to Talk and Push to Media. CDMA2000 1x EVDO is designed to have the same bandwidth, coverage area and with the spectral characteristics of CDMA2000 1x/IS-95 1:25 MHz.

PT. Bakrie Telecom will not lagging behind other competitors, began to join the market competition. In collaboration with PT. Huawei, attempting to build networks using CDMA2000 1x EVDO telknologi to allow a user / users can enjoy high speed data packet access it.

This study refers to the testing of CDMA2000 1x EVDO signal performance for users of PT.Bakrie Telecom. The trick is to do an indoor test at some building / mall where the concentration of many people doing activities. By using the software Echo Outdoor 5, will look like what these the signals performance and parameters such as Rx Power, SINR, throughput DL & UL.

Keywords: CDMA2000 1x EVDO, Indoor Test.