

ABSTRACT

CDMA(Code Division Multiple Access) is one of multiple access technique that using spread spectrum technique where every user or subscriber have a unique code and each other orthogonal with the other, that make signal from every user possible to transmit in the same time and frequency.

CDMA as a general rule use in a cellular communication but it can be use for radio access network service one of that is fixed wireless that very useful to improve service telecommunication. Fixed wireless is a cellular technique for fixed service with consideration that same with a service fixed telephone usually.

One of CDMA application in fixed wireless system is C-Phone (CDMA IS-95), which that will be planning to change in CDMA 2000-1X. On this final project to analyze migration process from link budget side, capacity side and which hard ware that must to installed into CDMA IS-95 system to become CDMA 2000-1X system.