

ABSTRACT

To apply WCDMA into GSM, it needs a planning like as plan it from zero. The needs of hardware in WCDMA may could integrated into GSM, but the multiple access technique, connectivity, frekuensi reuse, and interference as the main paramater of WCDMA would not be easy to integrate it into GSM

Next, it needs network planning which begin from traffic estimation, number of cell, power for connectivity, until the connectivity between antena to complish a network which may said optimum. This planning will conclude what needed to complish a new WCDMA network

From this paper, will be count amount of Node B, RNC, MSC, cell planning and mapping and backbone connectivity for WCDMA Celluler Nework Planning at Surabaya.