

ABSTRACTION

The weakness of TELKOMFlexi's signal in BRI TOWER BANDUNG is caused by the shadowing factor of the building. Therefore, the signal that transmitted by the BTS makro become difficult to get into the building.

In this latest project are doing IBS network installations with paying attention on transmission aspect (coverage) and traffic (user intention). This Transmission aspect included of defining antenna position and radius/coverage. And the traffic aspect is included the number of TELKOMFlexi users, so that the defined antenna position will be as harmony as the necessity inside the building of BRI TOWER BANDUNG. This project is been doing in all floor at BRI TOWER building with assumption for anticipation all the office in each floor that using TelkomFlexi's services. This project is defining the receiver antenna position from donor BTS, defining antenna position inside the building including the type of the antenna that's used, the calculation for power link budget in each antenna, because the gain antenna will increase the quality of signal who achieved by the MS.

The Scheme in IBS after the calculation of Power Link Budget in simulation with RPS 5.3 is to see the spreading of the signal from each omni antenna which attached. It will be what it looks like the installation in area which is not yet covered by telecommunications network. Especially for some level in the building which is not yet covered by TELKOM Flexi Network.

IBS : Indoor BTS Solution