

Abstrak

Voice or data traffic density of Telkomsel is happening in an area south of Miri, Serpong BSD as well as poor signal parameters area, due to blocking of the surrounding buildings, then the operator Telkomsel with Indonesia's largest customers do optimization and maintenance area BSD Serpong, South Tangerang.

In the development of telecommunication technology over mainly cellular, also required treatment and checking of the network in order to minimize the occurrence of problems decline in quality, such as voice signal, connection reliability, drop call and the speed of the handover at a specific tissue or cell. An example of the care network system in telecommunication network system Optimization, namely by doing the Tilting antennas to raise the value of network quality or so-called PACR (physical antenna change request). With solutions are expected to increase the variety of needs of the network services required by the community.

In Practice this field work report will discuss about physical antenna change request (PACR) needful to troubleshoot bad 3 g signal coverage that occur due to blocking on the surrounding buildings in the area previously, Serpong BSD the results obtained when the walktest process obtained 3G results: Fair RSCP & Fair EcNO as well as 4G RSRP: Bad Bad Bad & RSRQ & SNR. HAL yg do that is doing the process sector antenna tilting both mechanical and electrical. So obtained good results from the sector antenna tilting recovery.