

ABSTRACT

Growth of Science and technology which lately quickly, claiming the existence of a simulation device which can support the study process. In this case is planning of radio of terrestrial communications system end to end multi hop.

This Simulation can assist the student in study and also in praktikum of transmission technique in the Diploma III program STTTELKOM. The aim of this simulation program is to test the design of radio terrestrial communications system so we know the performance.

In this simulation program, is visible to see the distance influence between transmitter antenna and receiver antenna, influence of the obstacle to signal power, influence of free space loss to signal power, influence of feeder long, also influence from the device loss.

In this simulation program, can calculate the distance between two site surely, and do not estimate, can see the frequency influence which is not circular to level of konstanta polarization and level of rain loss, see the loss from gas at atmosphere depended from used frequency.