ABSTRACT

      Conferencing on wireless LAN will give an easy way of communication with other user in a limited area. In this experiment we will use Microsoft Windows NetMeeting$^®$ as user interface, and the application that will be used on audio and video conferencing. Gatekeeper and MCU software is taken from Open H.323 Project with OpenGK v1.3.4 for the gatekeeper and OpenMCU v1.1.7 for the MCU conference server.

      The experiment is implemented with signal power level condition at client side from the access point. To do this, the experiment is implemented on excellent and good channel condition. Signal power level is categorize based on link status meter on D-Link AirPlus DWL-120+ Wireless USB Adapter device.

      From the experiment data from which will be analyzed call setup, voice quality descending because of a latency (delay), jitter, packet loss and loss playout, and end to end delay then the video quality, throughput, user satisfaction level to the application result based on MOS (mean opinion score), and the last is to know the maximal user that can communicate using conferencing in 1 access point.