result as a function of $\Delta r$, which is the required additional throughput from the client: how much the client wants to increase its throughput than before starting TXOP Exchange. We see in the figure that the throughput is successfully controlled almost equally to $\Delta r$ without affecting that of the other STA.

C. Performance of window size delegation method in WLANs

We here evaluate the performance of our method with using a wireless network in Fig. 9. Figure 14 shows the average throughput of each STA as a function of $\Delta r$ with 'w/o delegation (compliant)' indicating the throughput for the client is increased almost equally to $\Delta r$ compared with 'w/o delegation' without affecting the throughput for the other STA.