ABSTRACT

SECTOR INTERFERENCE MANAGEMENT BASED ON INTER-SECTOR PERFORMANCE

Providing fairness-based metrics for managing inter-sector interference of a mobile AN is described herein. By way of example, accumulation of resource utilization messages (RUMs) at a sector of the mobile AN can be based at least in part on a performance metric of that sector as compared with one or more neighboring sectors. In at least one aspect, performance metrics of multiple sectors of the mobile AN can be aggregated and a RUM accumulation rate of each sector is determined based on the aggregated metric. Accumulation rates can further be updated periodically as sector and/or aggregated metrics of the mobile AN change. Accordingly, accumulation and utilization of RUMs is based on inter-sector fairness to optimize overall wireless communication quality of service for the mobile AN.

Figure 3