ABSTRACT

INTERFERENCE MANAGEMENT FOR DIFFERENT WIRELESS COMMUNICATION TECHNOLOGIES

Systems and methodologies are described that facilitate avoiding interference with disparate communication technologies when allocating and/or utilizing wireless communication resources. Access points can generate resource assignments for mobile devices based at least in part on resources utilized by the disparate communication technology devices, such as to avoid such resources, allocate narrow bands over such resources, avoid or limit allocations in a measurement gap during which disparate communication technology devices communicate, and/or the like to mitigate interference over the resources. Mobile devices can provide such information to the access point, such as a communication technology to avoid interfering, resources utilized by devices of the communication technology, etc. This information can be acquired by receiving signals from the devices, detecting presence of the devices, and/or the like. In addition, mobile device can reduce transmission power over resources used by the disparate communication technology.

Figure 4