ABSTRACT

CONTROL CHANNEL CONSTRAINTS IN WIRELESS COMMUNICATIONS

Systems and methodologies are described that facilitate defining control channels and resource identifiers related thereto as well as constraints for utilizing the control channels. A minimum number of required control reports for a set of resource indices can be specified as a constraint to provide a mobile device flexibility with respect to transmitting the control reports over available resource indices. Additionally, or alternatively, a maximum number of control reports can be specified for transmitted over the resource indices to prevent control channel overload. Moreover, a constraint can specify an exact number of control channels to utilize in transmitting control reports. Other constraints are possible as well, such as limiting a control report payload or change in payload, limiting out-of-band control reports based on in-band reports transmitted, etc.

Figure 5