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(54) METHODS FOR RECONFIGURABLE INTELLIGENT SURFACE (RIS) AIDED COOPERATIVE DIRECTIONAL SECURITY

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(57)**ABSTRACT**

In various embodiments supporting directional security, a user equipment (UE) may receive from a network device a noise resource allocation including an indication of a noise direction and a noise parameter, generate a noise signal based at least in part on the noise parameter, and transmit the noise signal in the noise direction while transmitting a communication transmission signal in a different direction from the noise direction. In various embodiments, a network device may determine a geographic zone of interest, select one or more reconfigurable intelligent surfaces (RISs) associated with the geographic zone of interest, selecting one or more noise transmitting UEs, control the one or more noise transmitting UEs to transmit at least one noise signal, and control the one or more RISs to steer the at least one noise signal into the geographic zone of interest.

