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(54) **TWO STEP REPORTING PROCEDURE FOR
DEMODULATION REFERENCE SIGNAL
CONFIGURATION ADJUSTMENT**

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(57) **ABSTRACT**

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Methods, systems, and devices for wireless communications are described that support a two-step reporting procedure for demodulation reference signal (DMRS) configuration adjustment. A base station may transmit to a user equipment (UE) control information indicating a subset of DMRS configurations to be addressed for DMRS configuration selection and reporting. As a part of channel state feedback (CSF) evaluation procedures the UE may identify link quality characteristics and spectral efficiency metrics corresponding to the subset of DMRS configurations and determine a preference for a configuration change from the currently used DMRS configuration (which is represented by DMRS configuration determined from channel state information (CSI) reference slot) to a DMRS configuration of the subset based on the link spectral efficiency metrics comparison. The UE may transmit to the base station, a report comprising an indication of a UE request for the configuration change and in response, the base station may schedule the UE to report one or more selected DMRS configurations most convenient for the UE channel and reception conditions.

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