

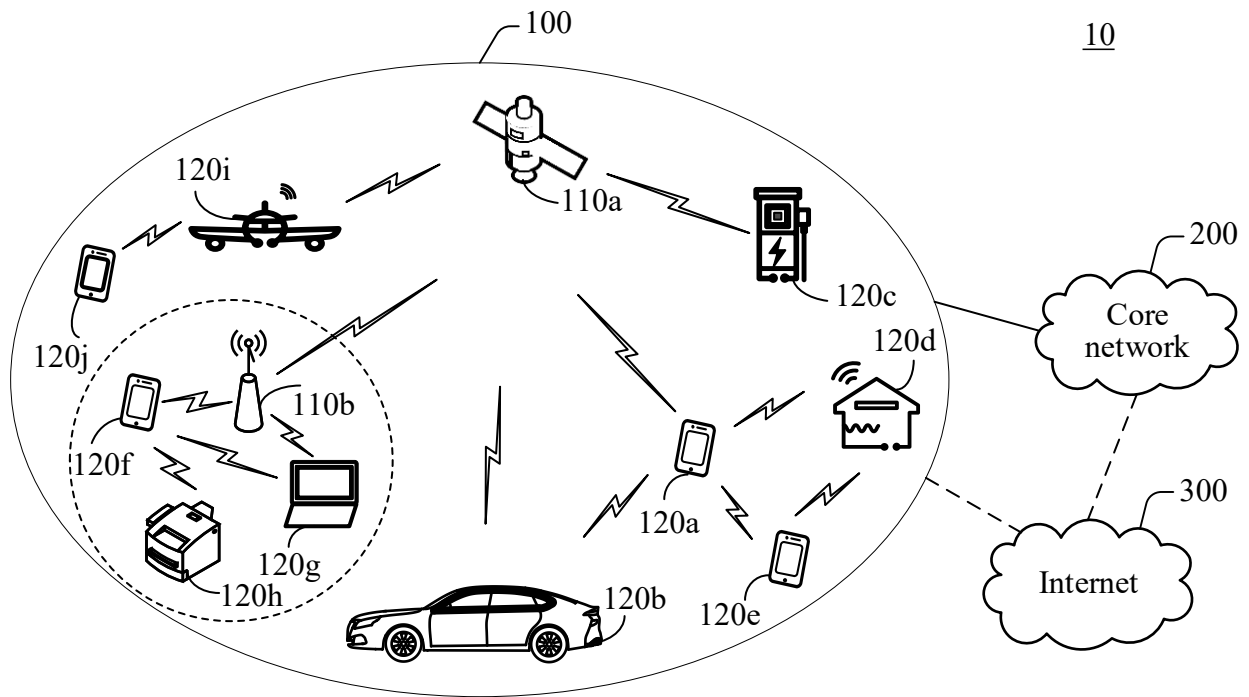


FIG. 1

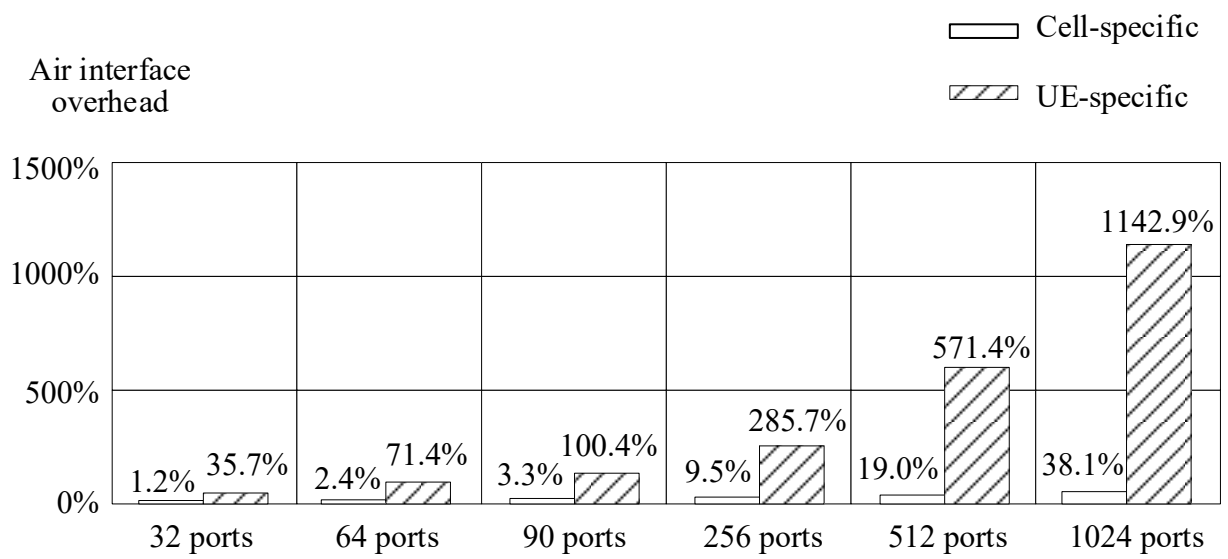


FIG. 2

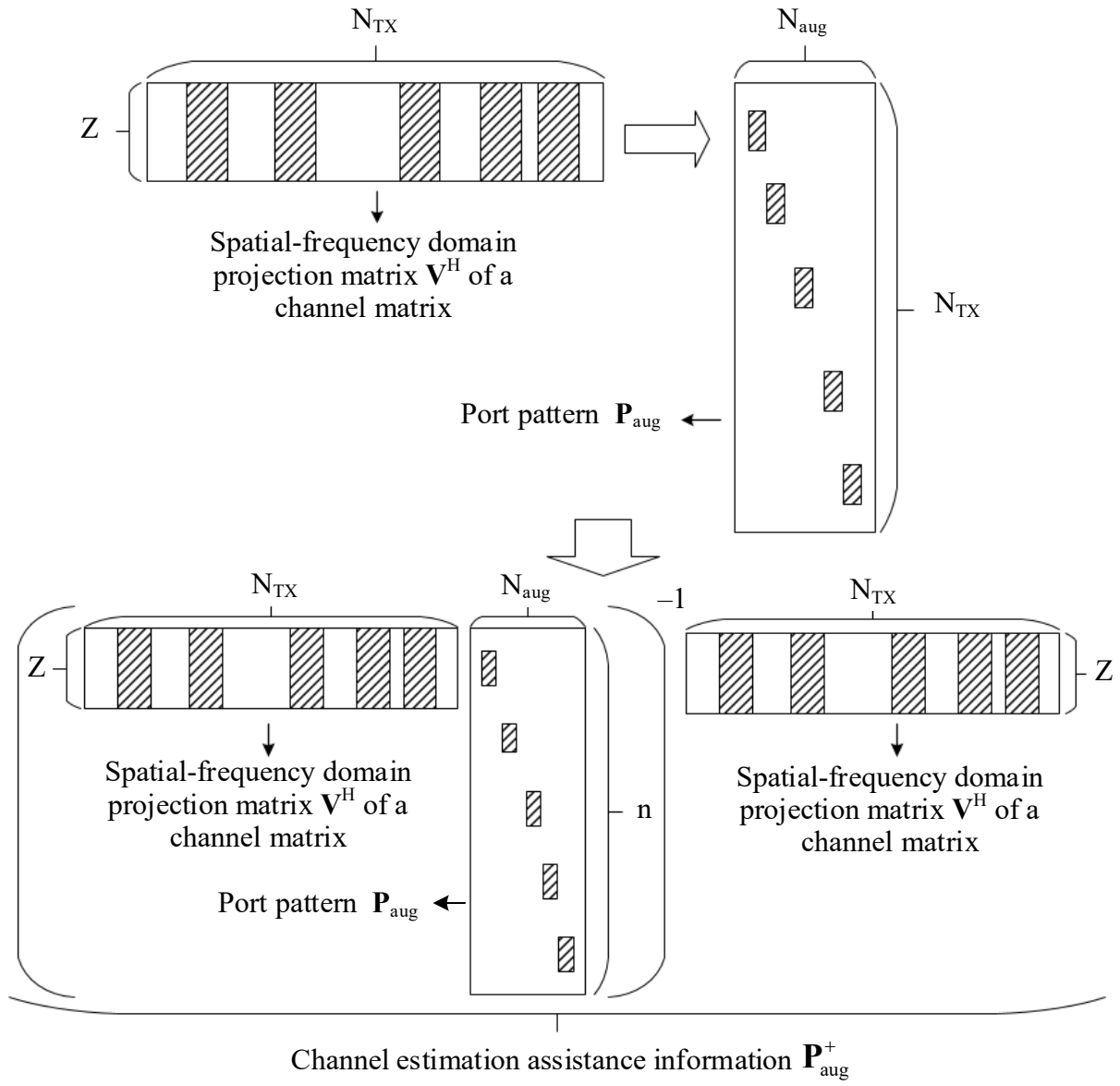


FIG. 3

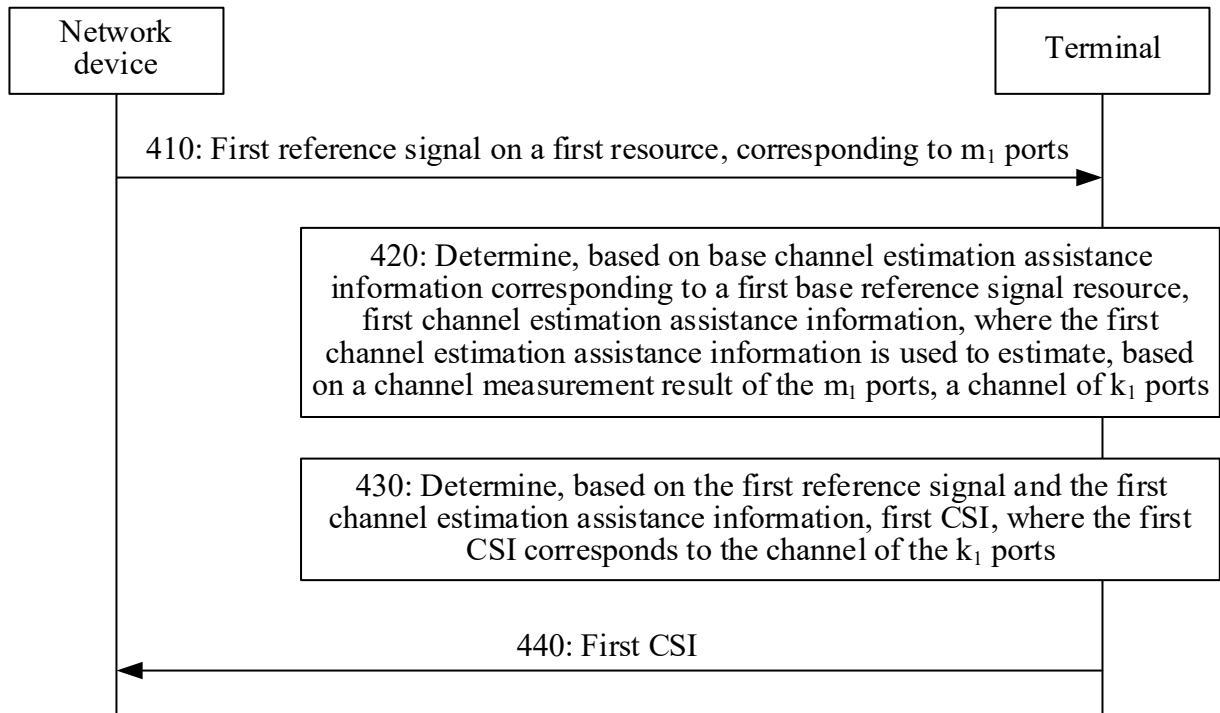
400

FIG. 4

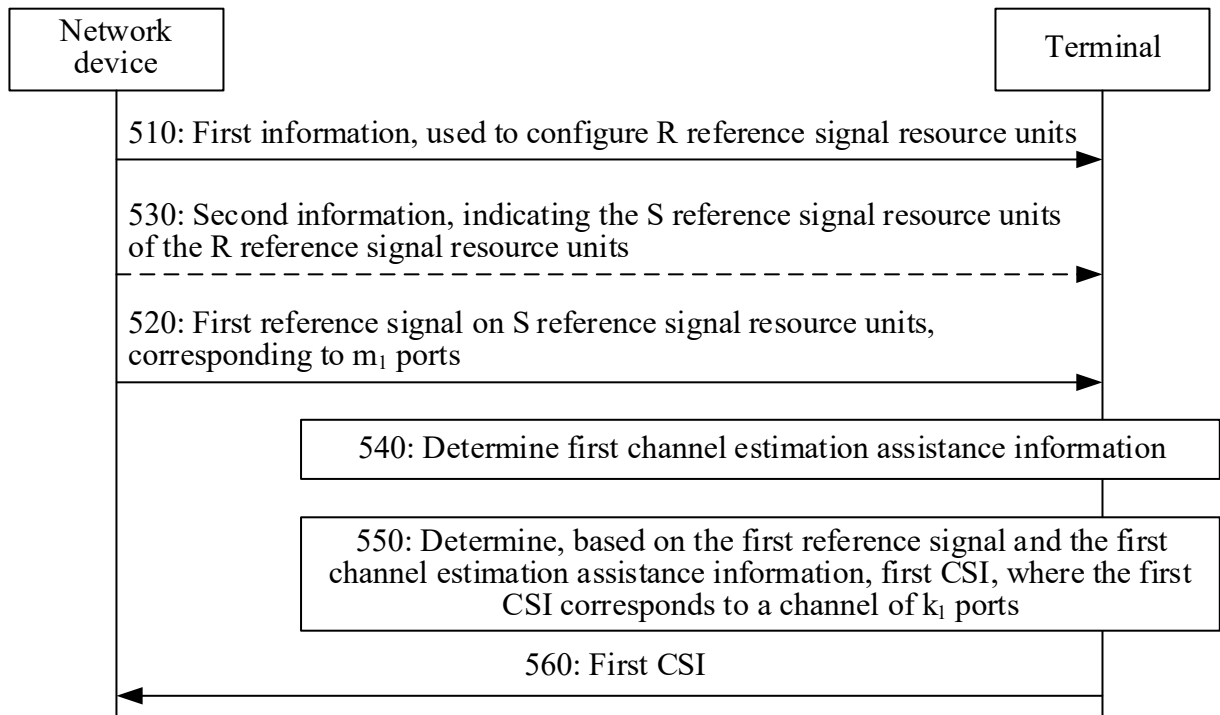
500

FIG. 5

4/12

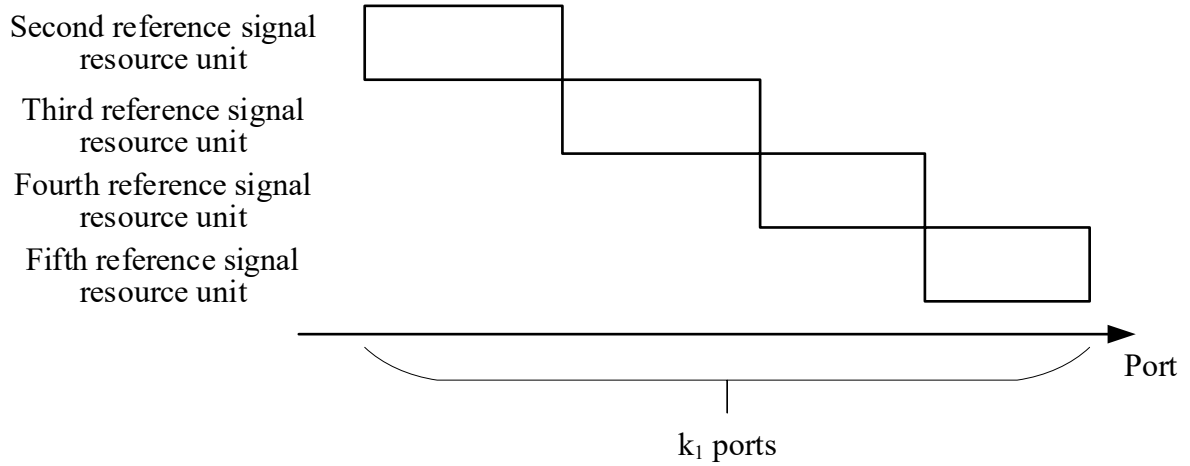


FIG. 6

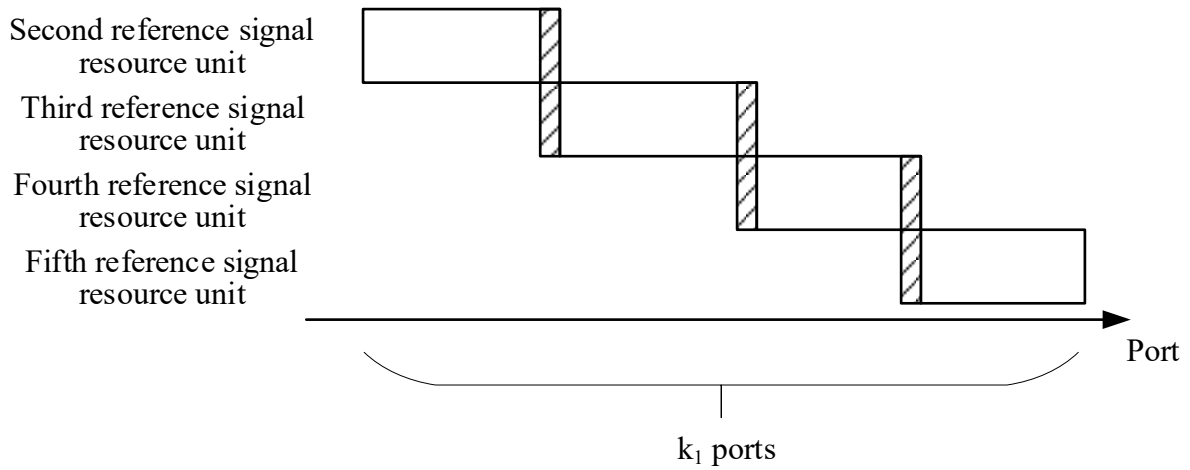


FIG. 7a

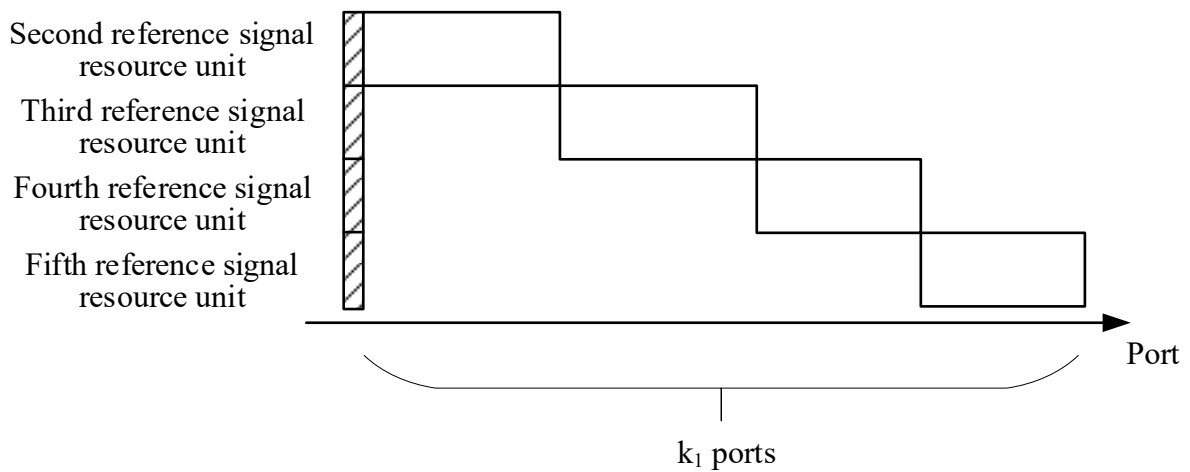


FIG. 7b

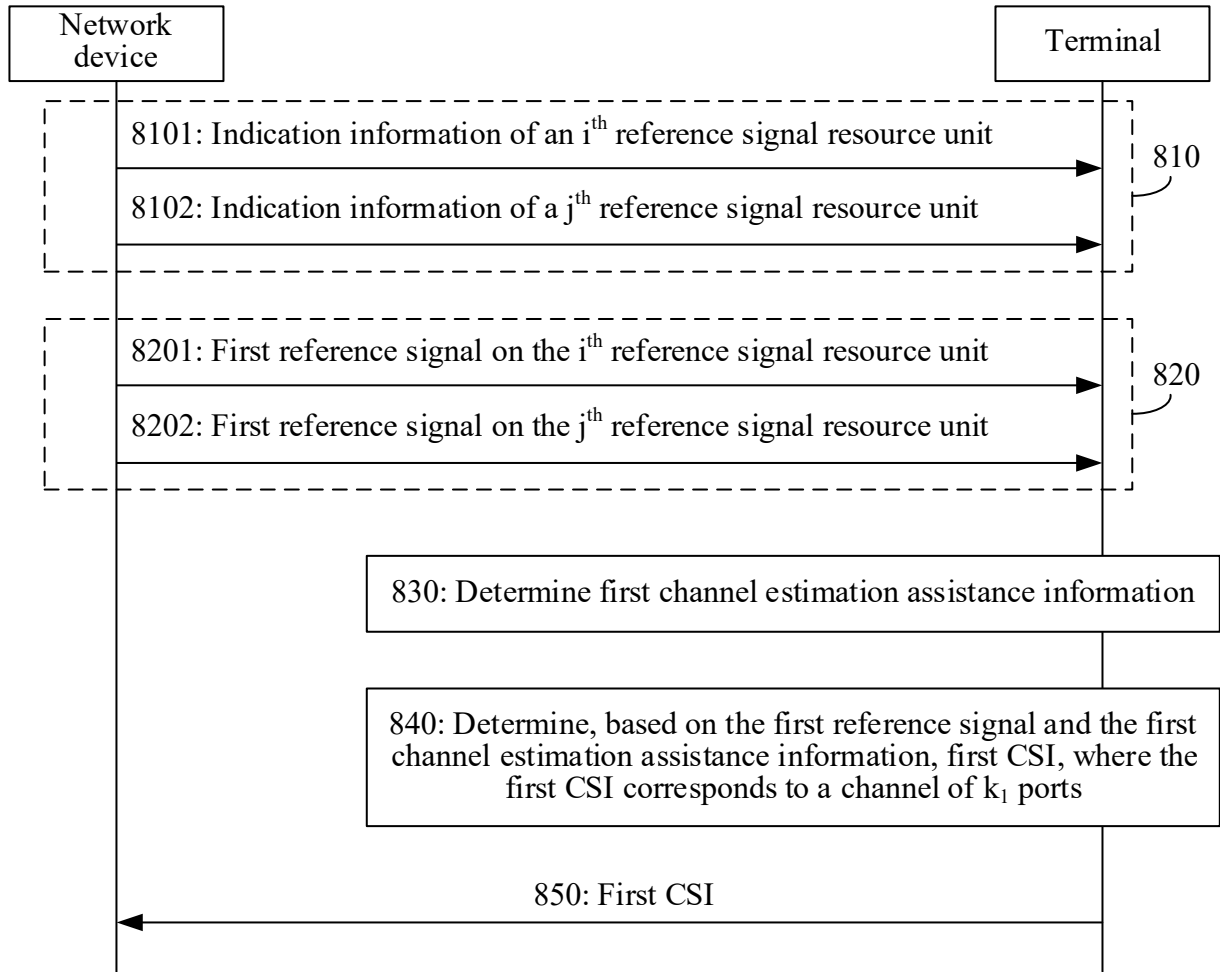


FIG. 8

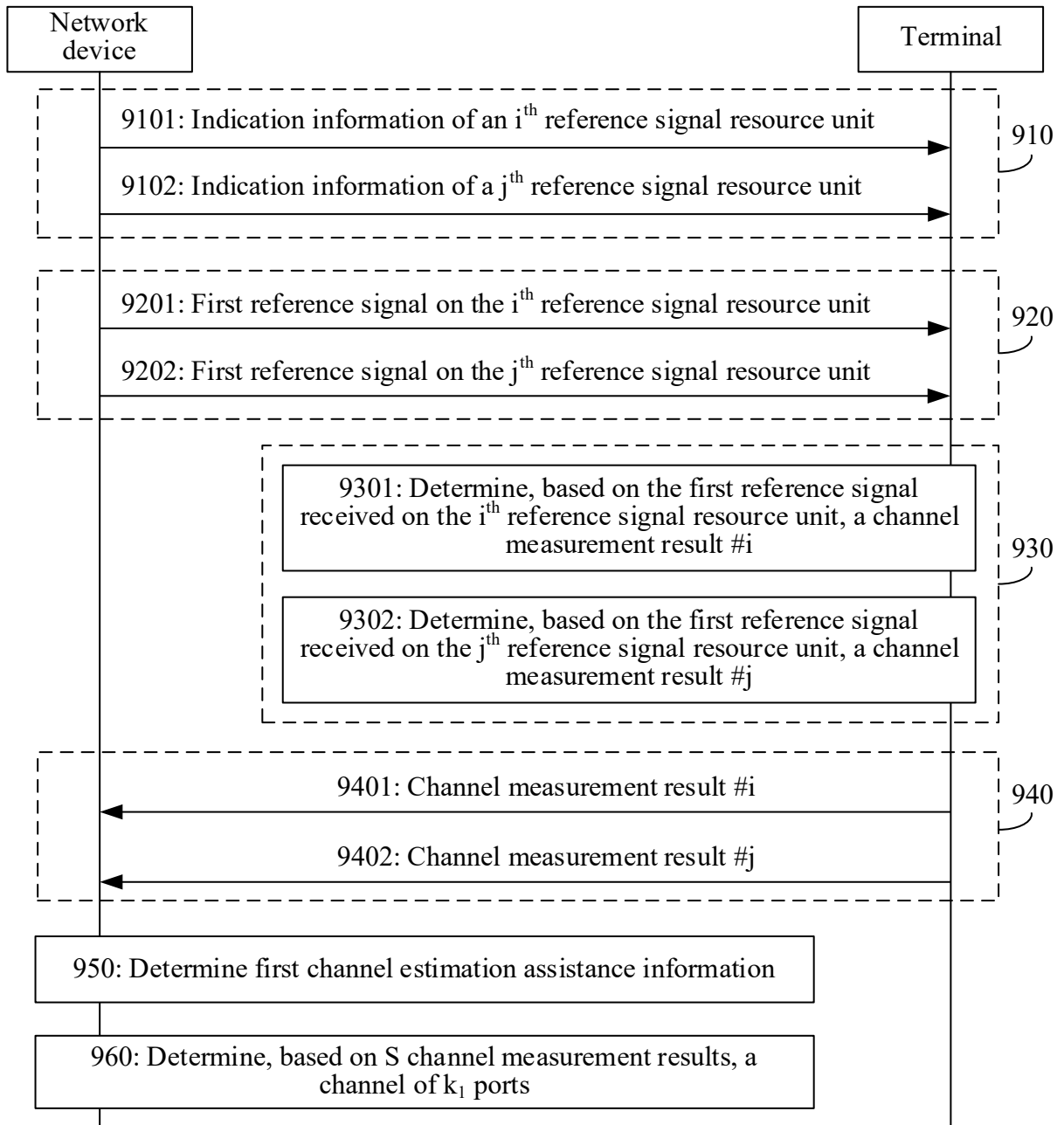


FIG. 9

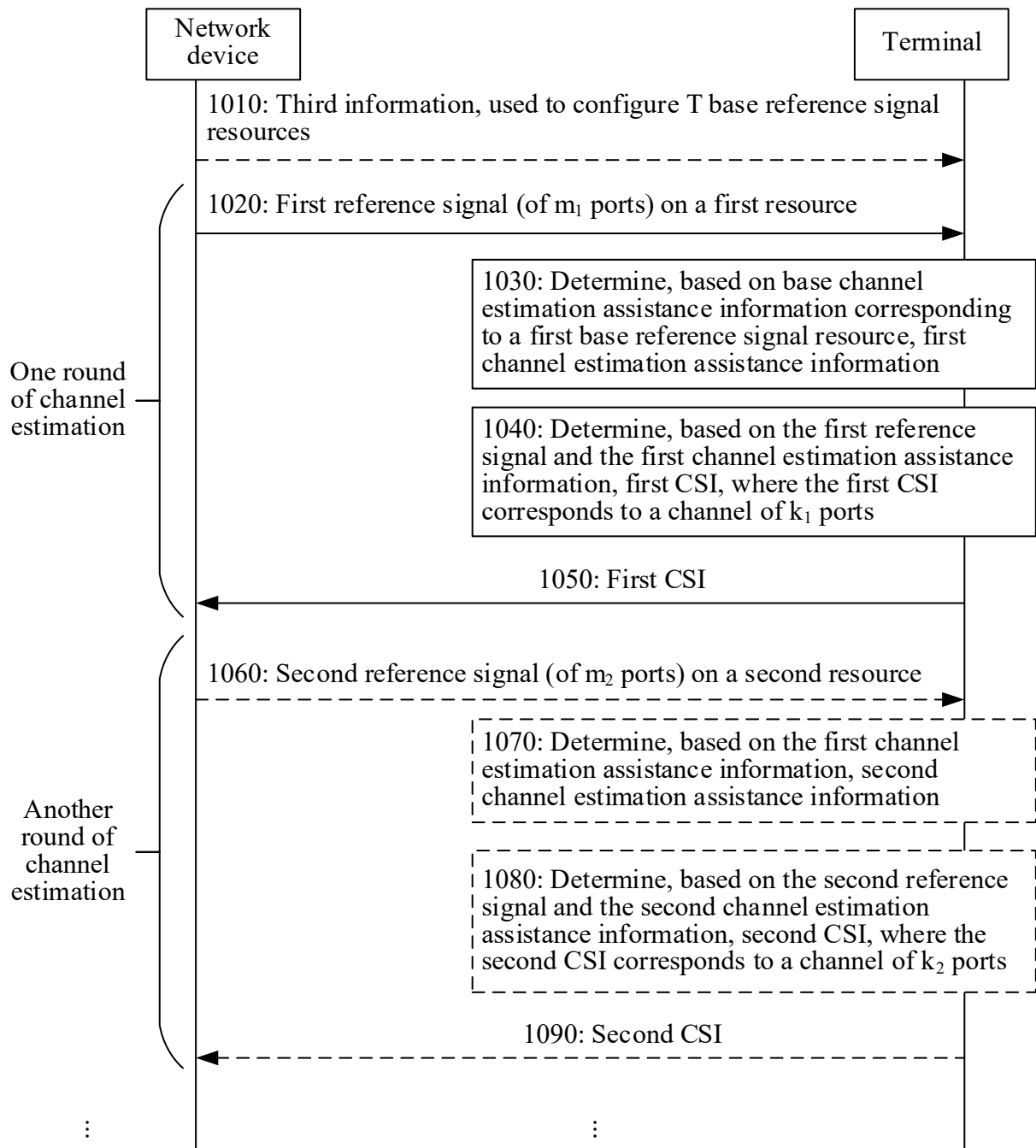


FIG. 10

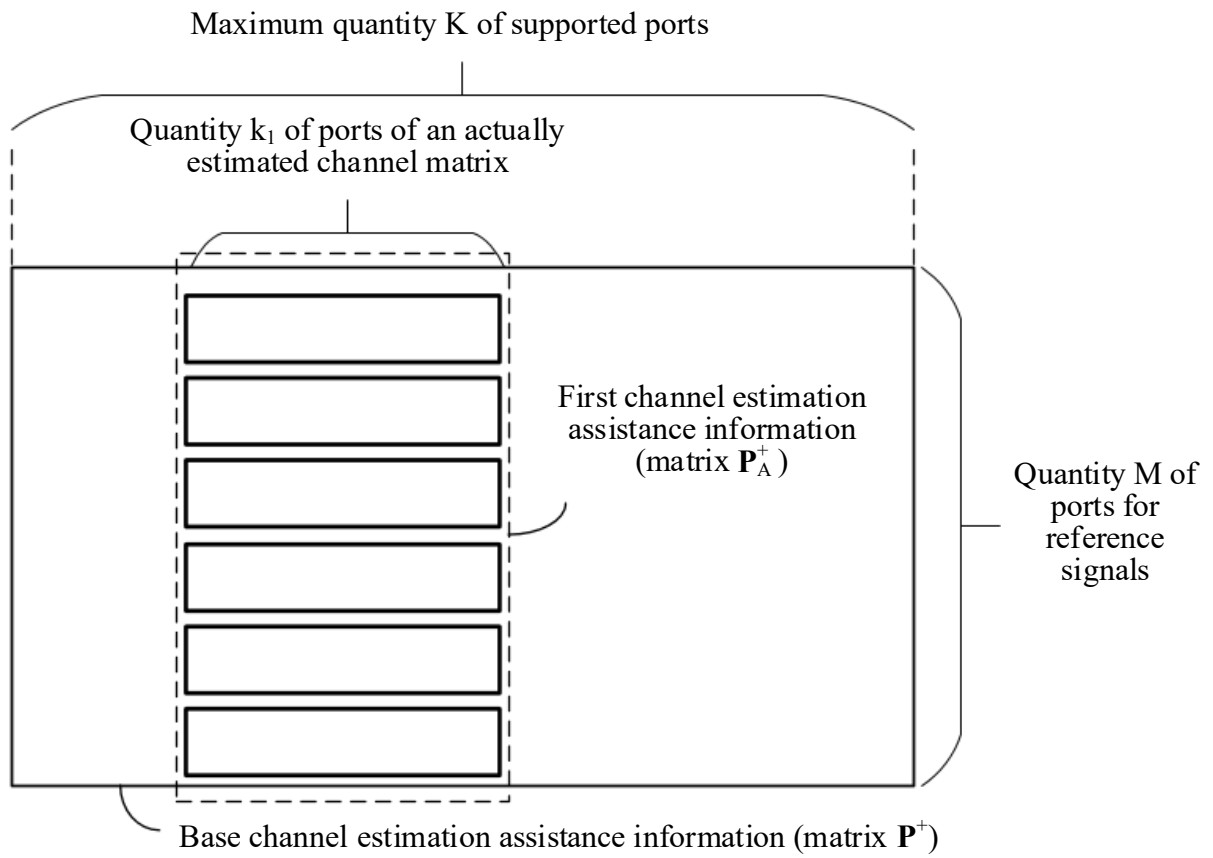


FIG. 11

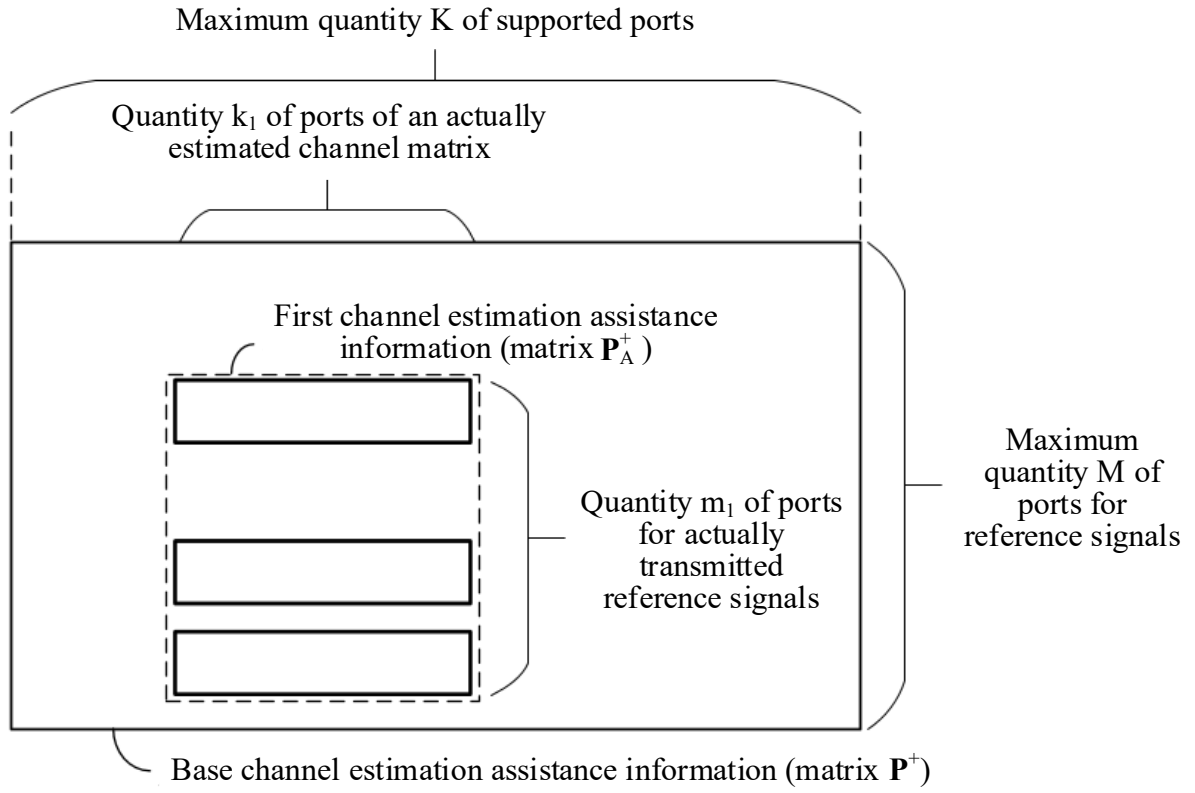


FIG. 12

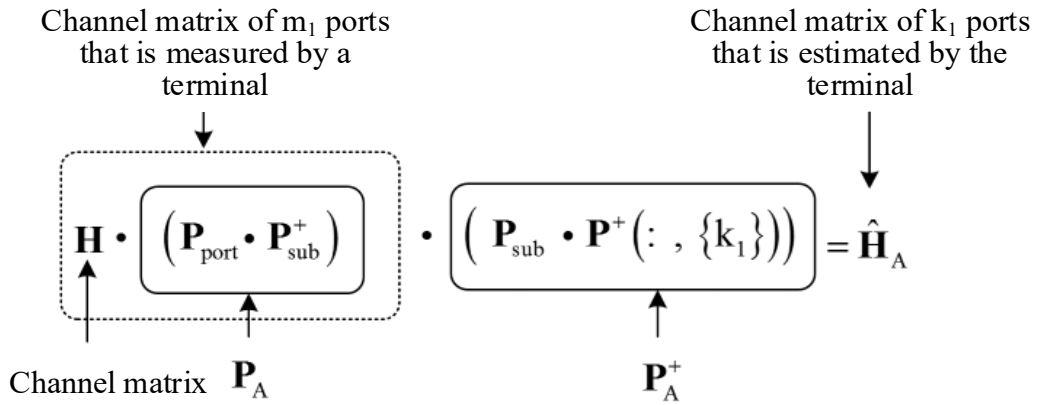


FIG. 13

Channel matrix of m_2 ports that is measured by a terminal

Channel matrix of k_2 ports that is estimated by the terminal

$$\mathbf{H} \cdot \left((\mathbf{P} \cdot \mathbf{P}_{\text{sub}}^+) \cdot \mathbf{P}_{\text{sub},A \rightarrow B}^+ \right) \cdot \left(\mathbf{P}_{\text{sub},A \rightarrow B} \cdot (\mathbf{P}_{\text{sub}} \cdot \mathbf{P}^+(:, \{k_1\}))(:, \{k_2\}) \right) = \hat{\mathbf{H}}_B$$

Channel matrix $\mathbf{P}_B$

$\mathbf{P}_B^+$

FIG. 14

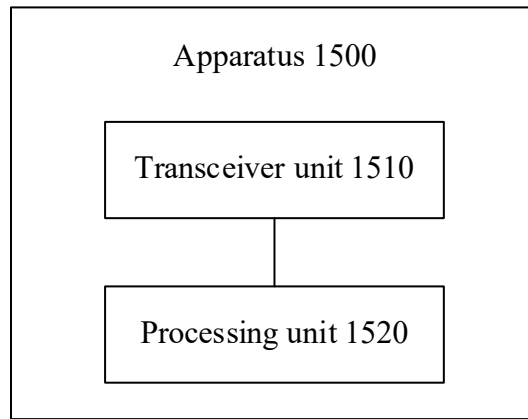


FIG. 15

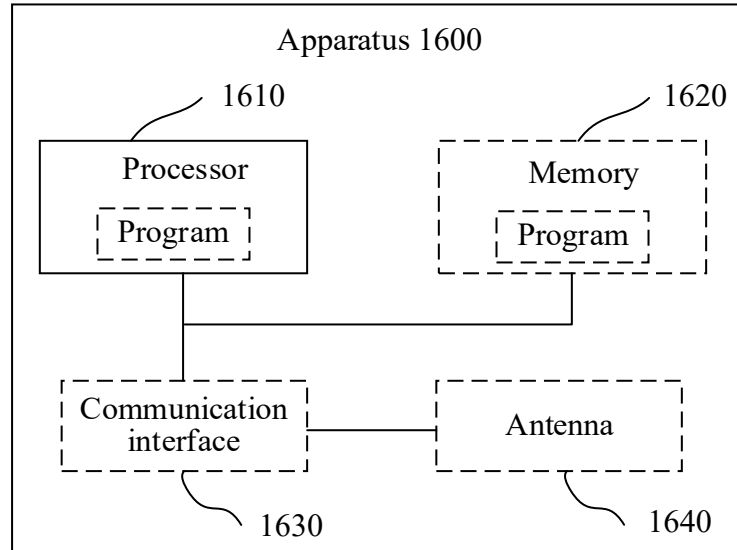


FIG. 16

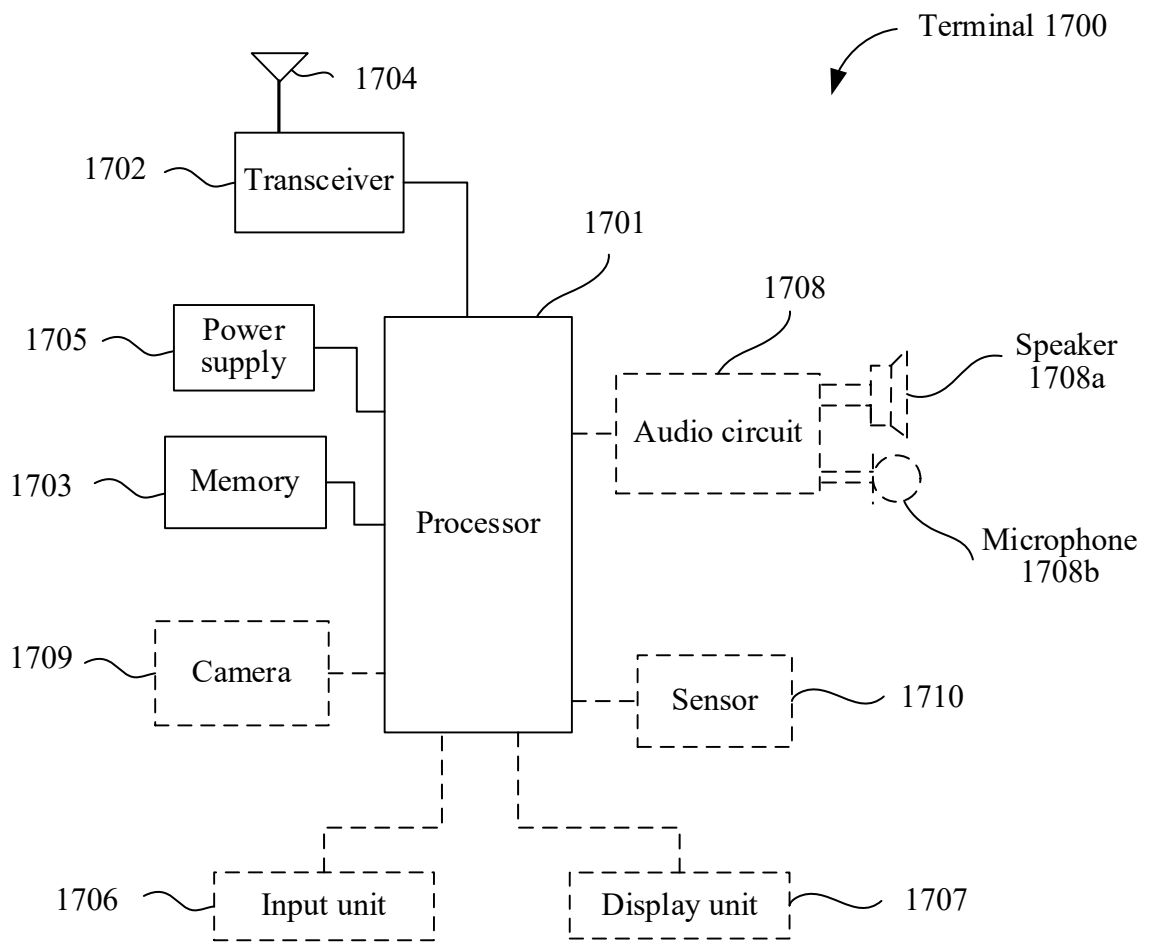


FIG. 17

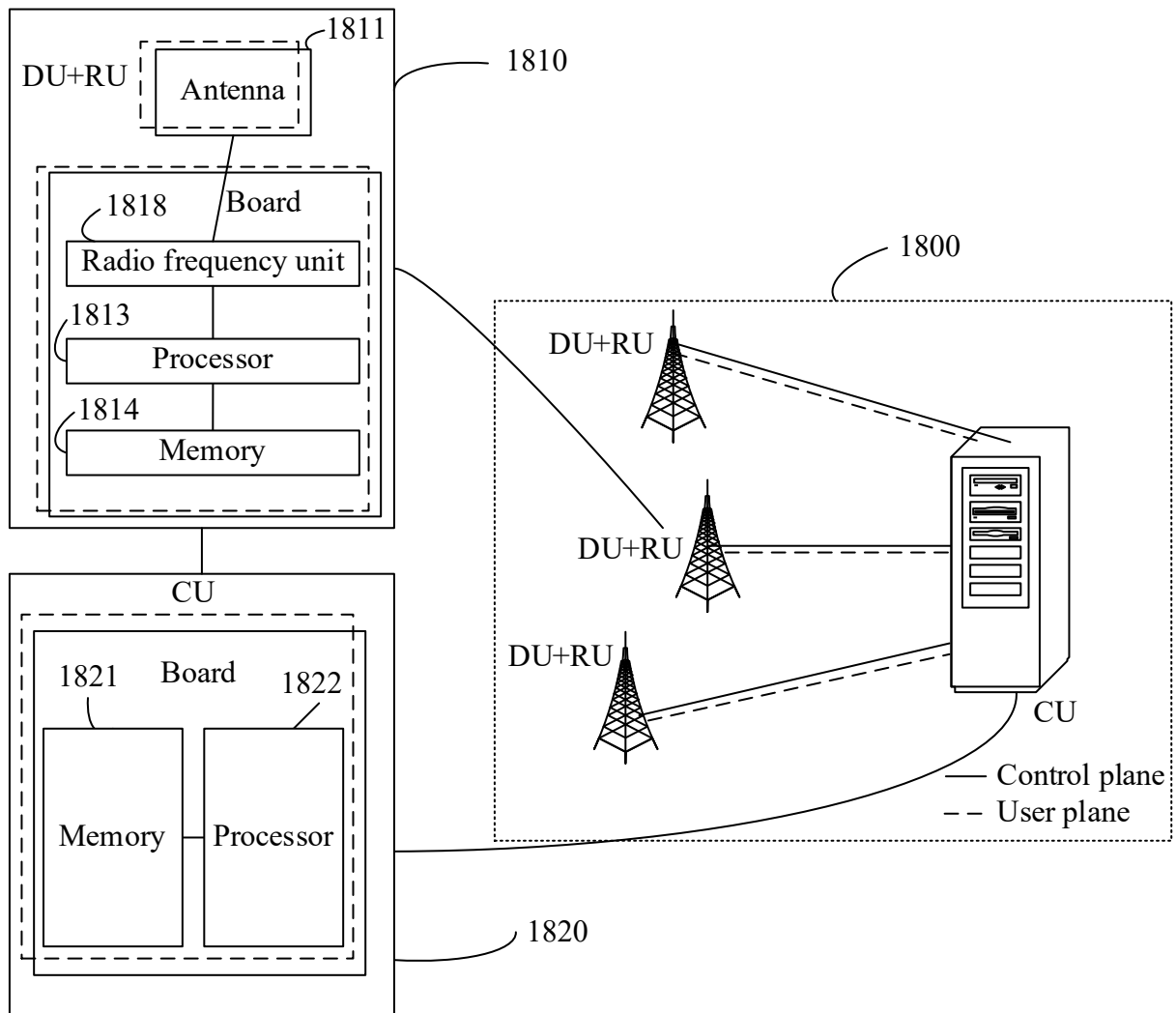


FIG. 18