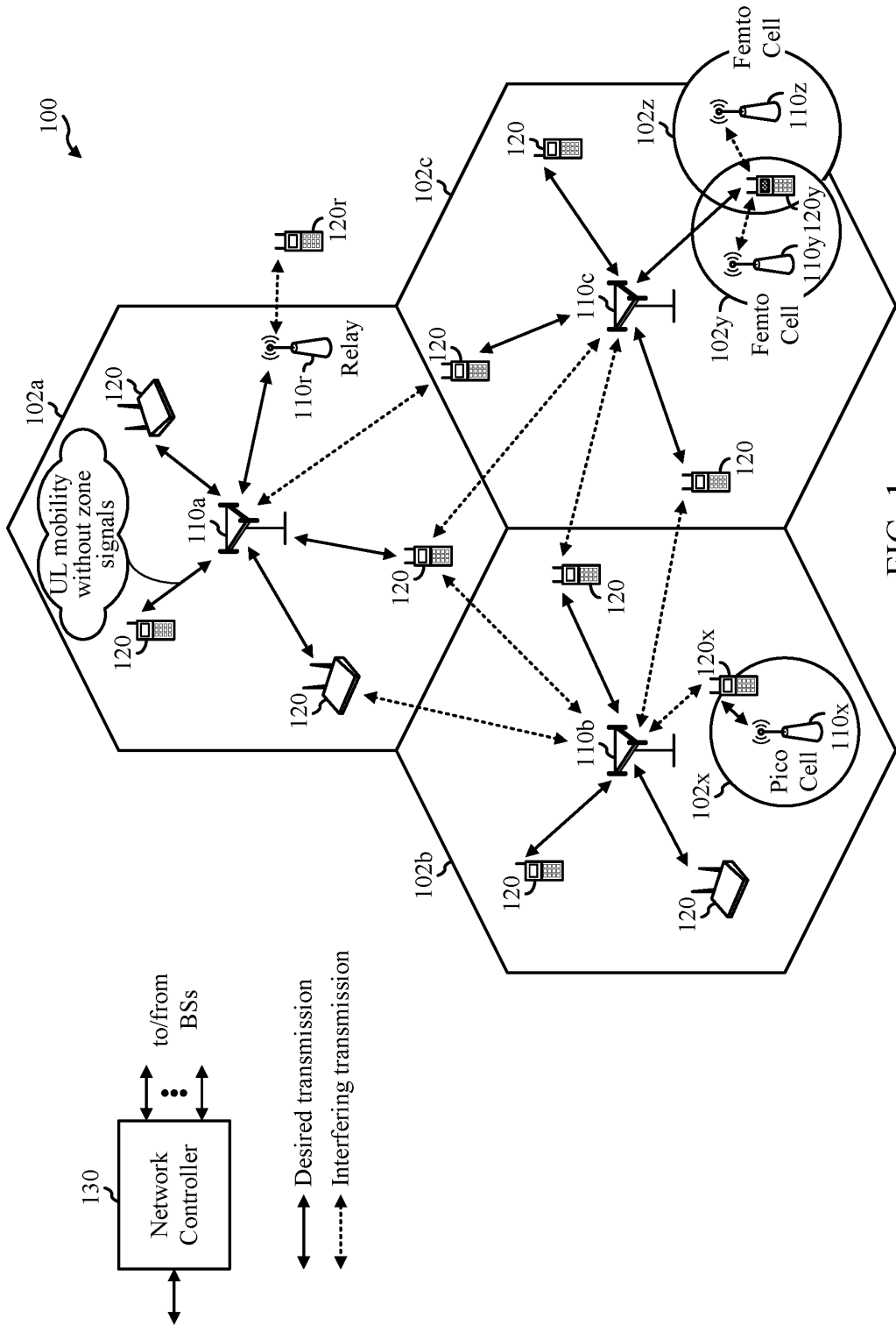




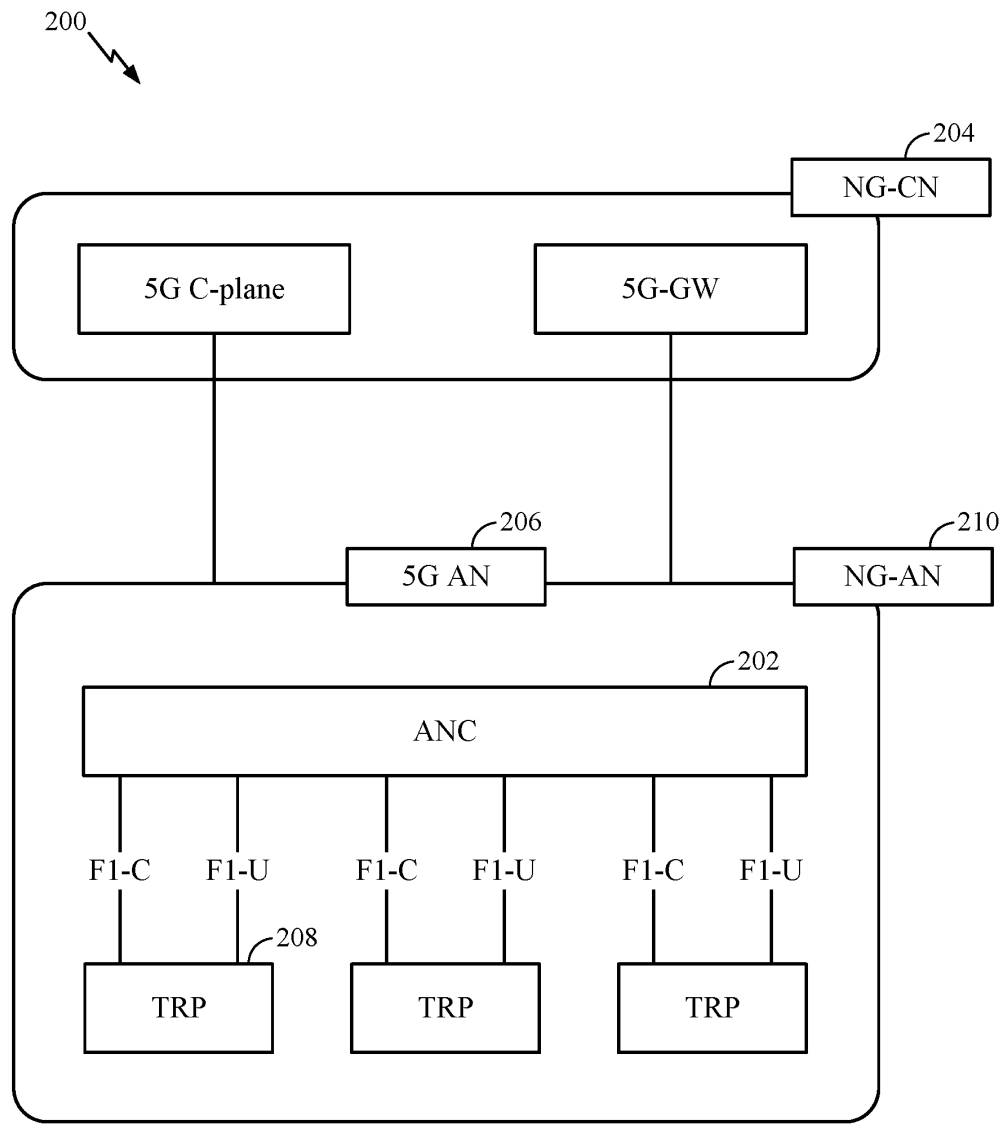


FIG. 2

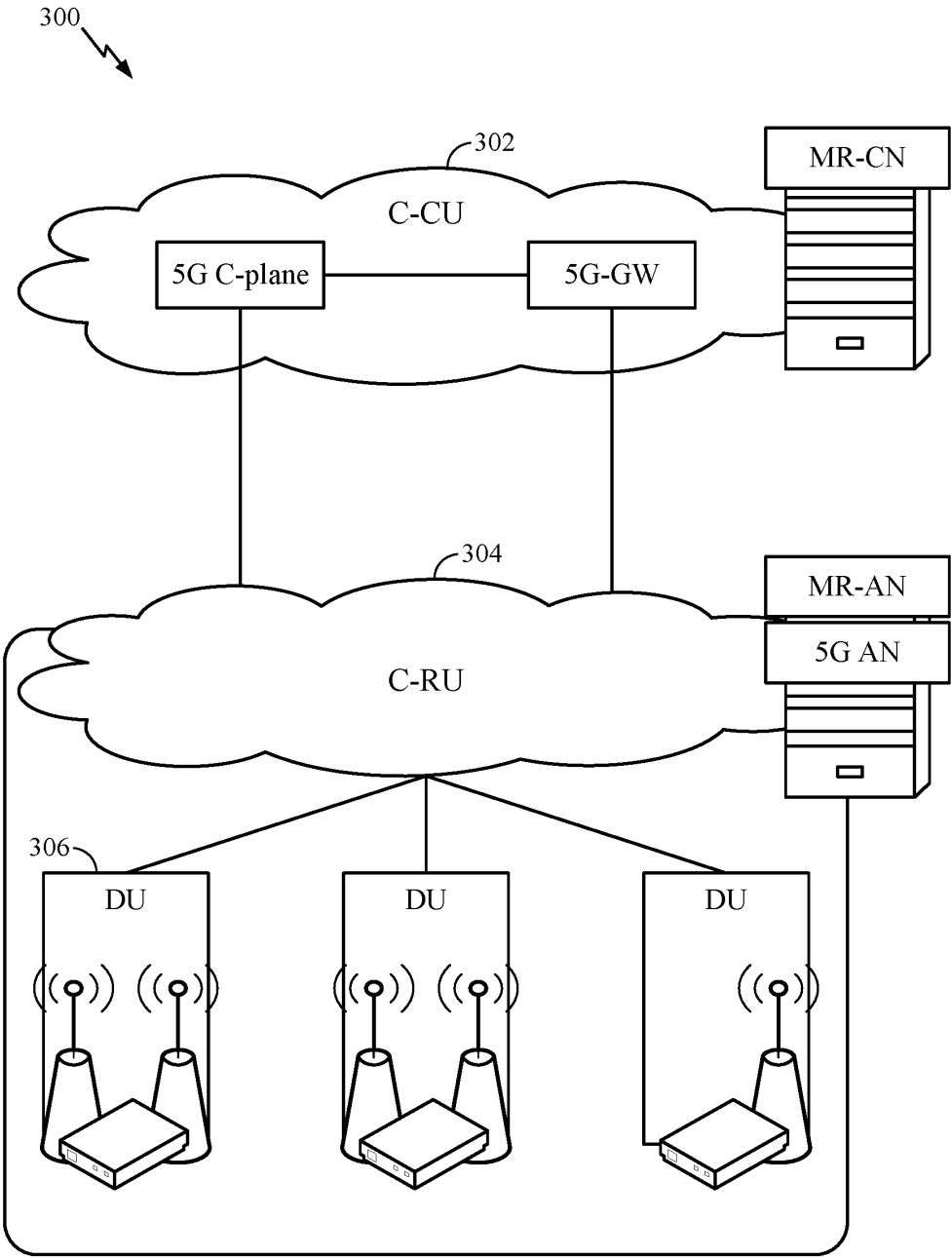


FIG. 3

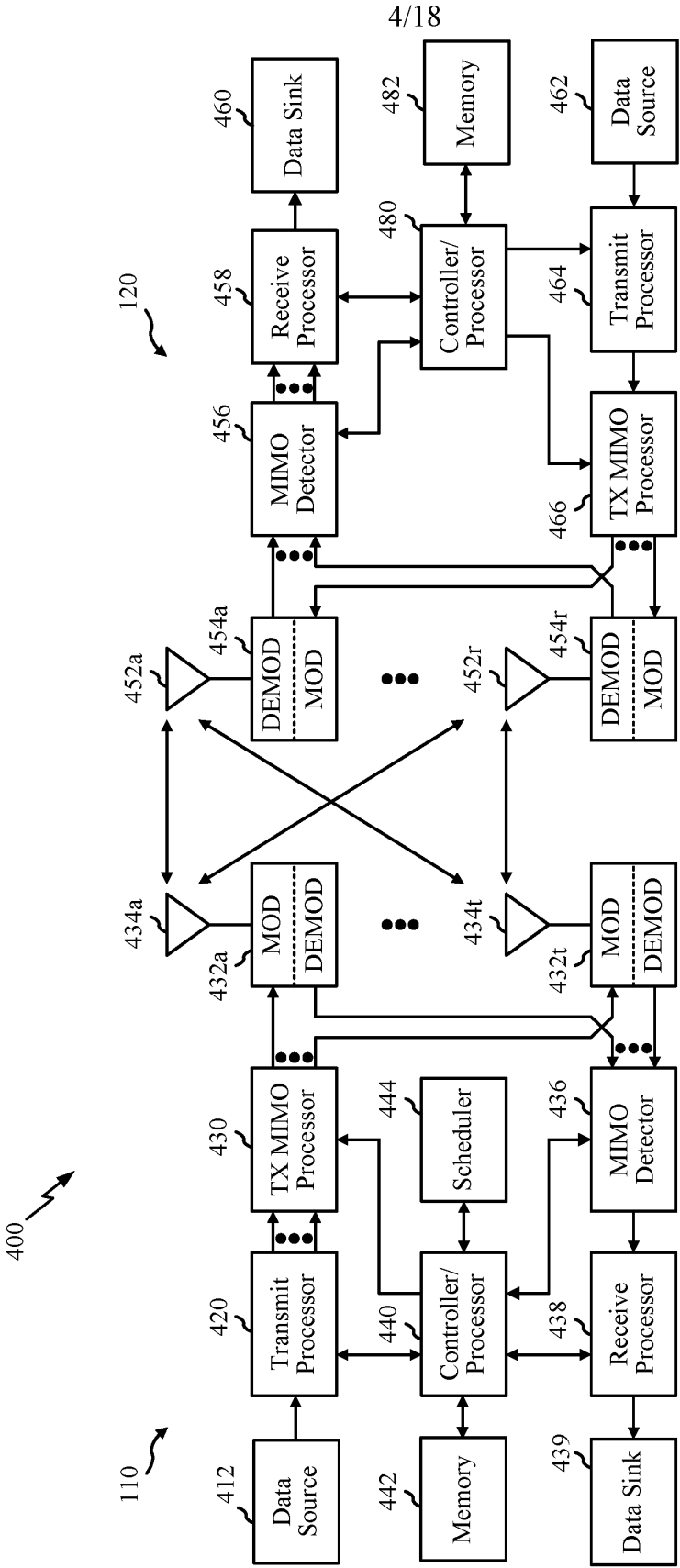


FIG. 4

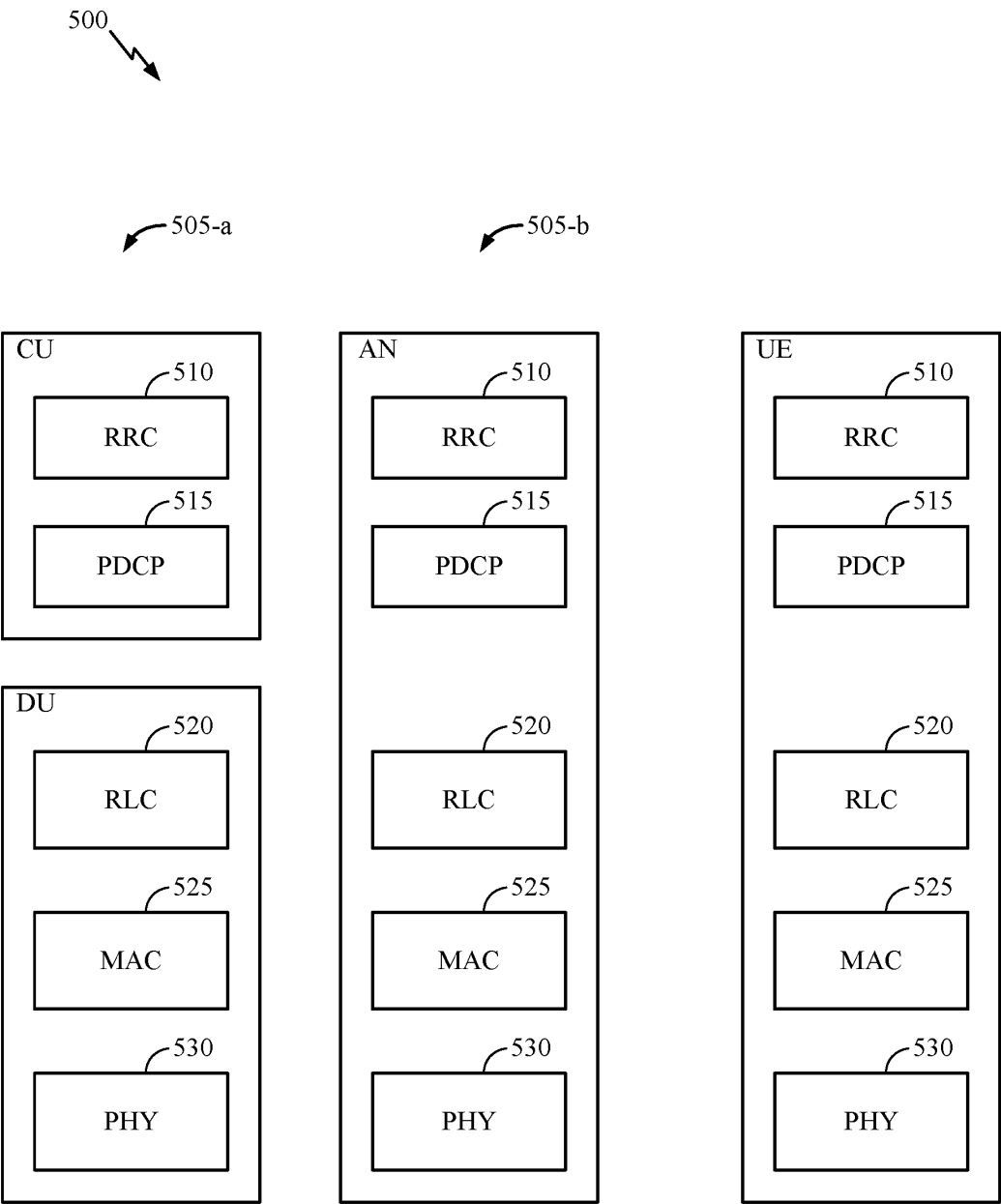


FIG. 5

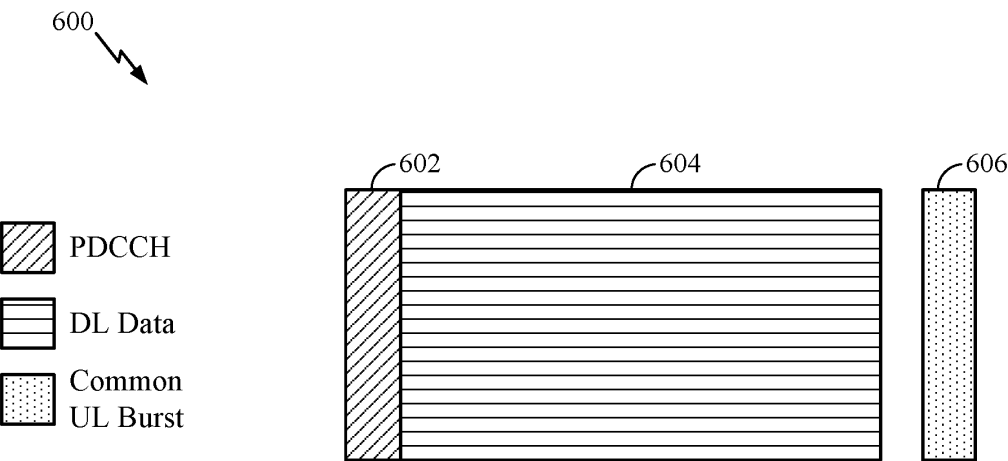


FIG. 6

7/18

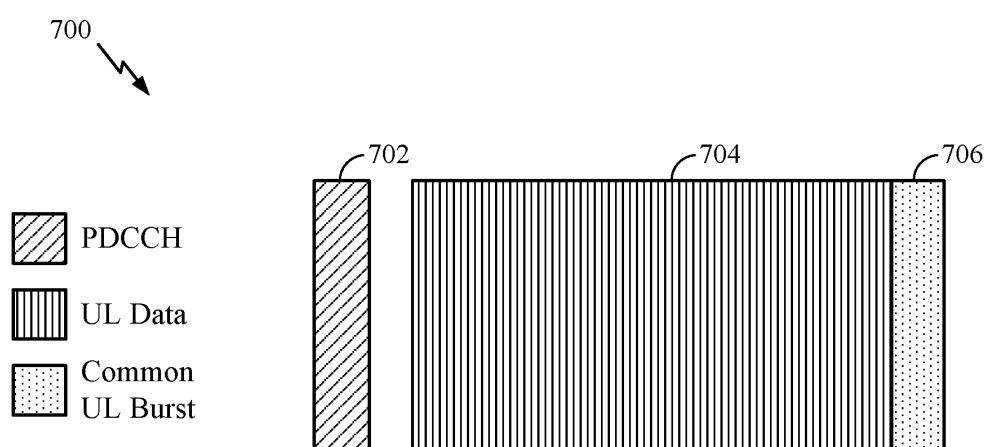


FIG. 7

8/18

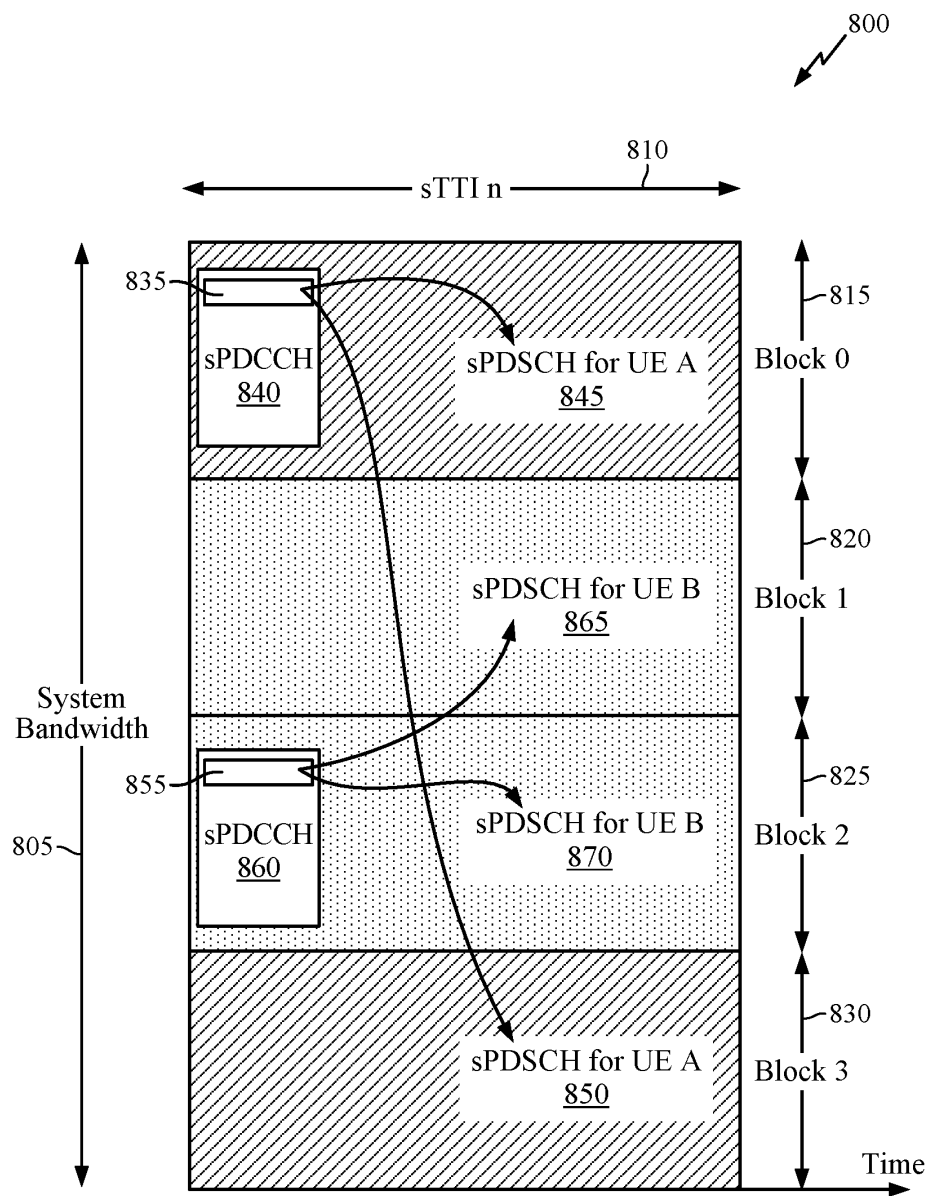
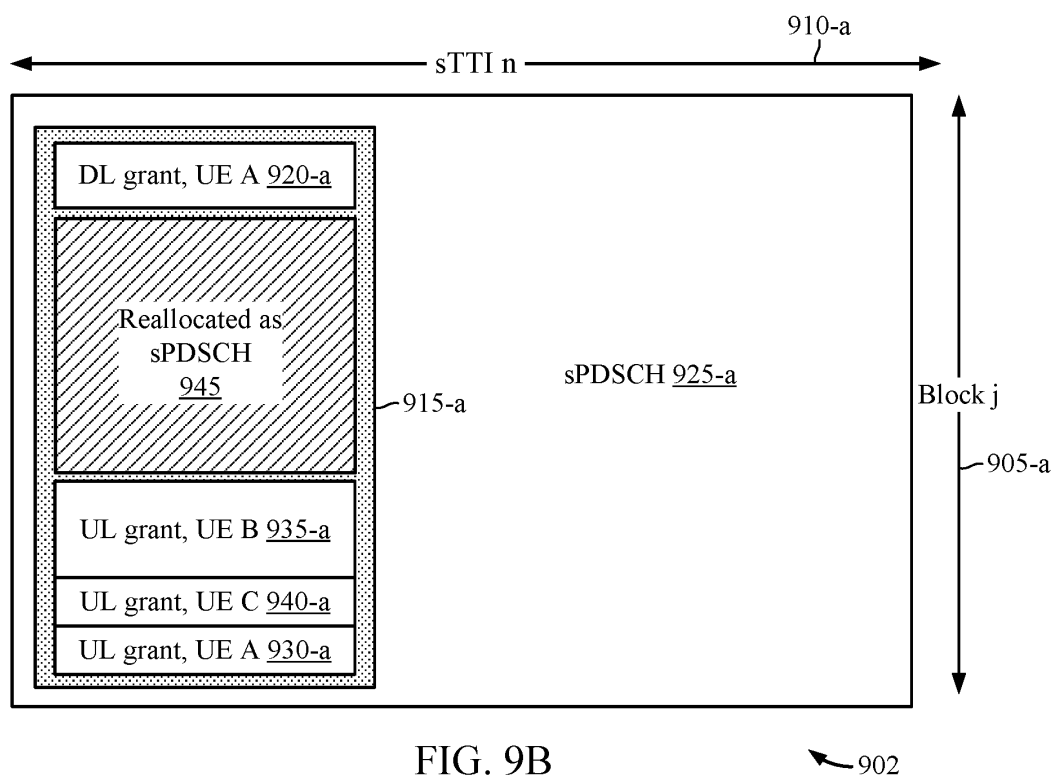
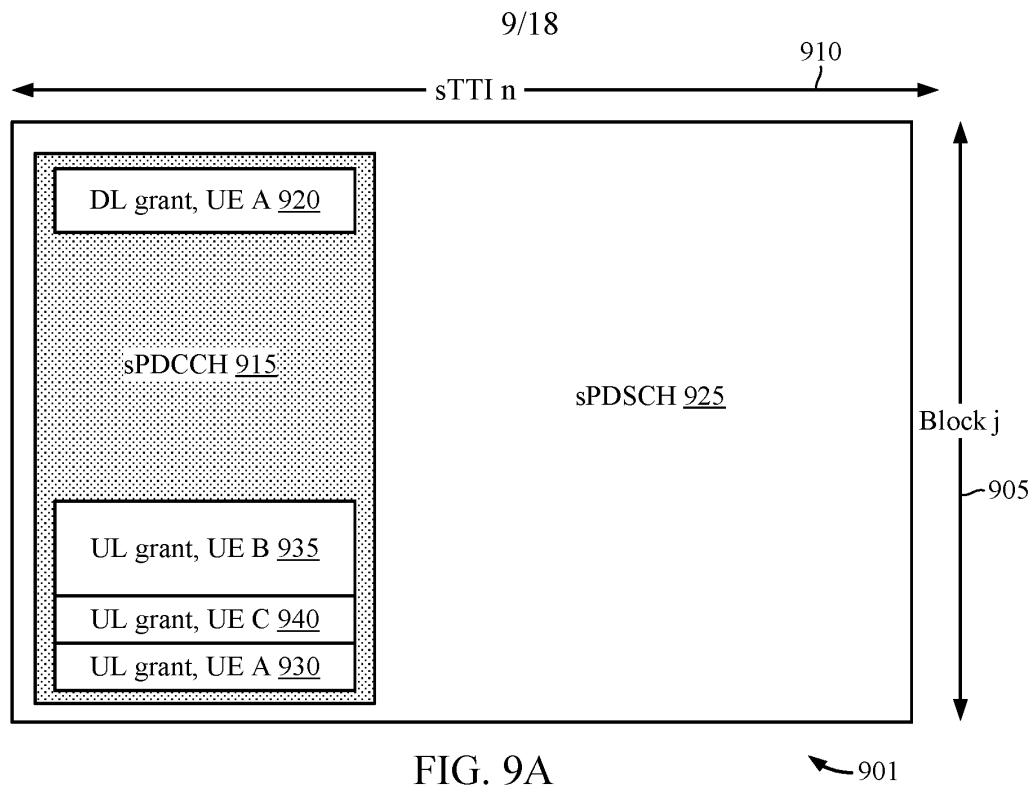


FIG. 8



10/18

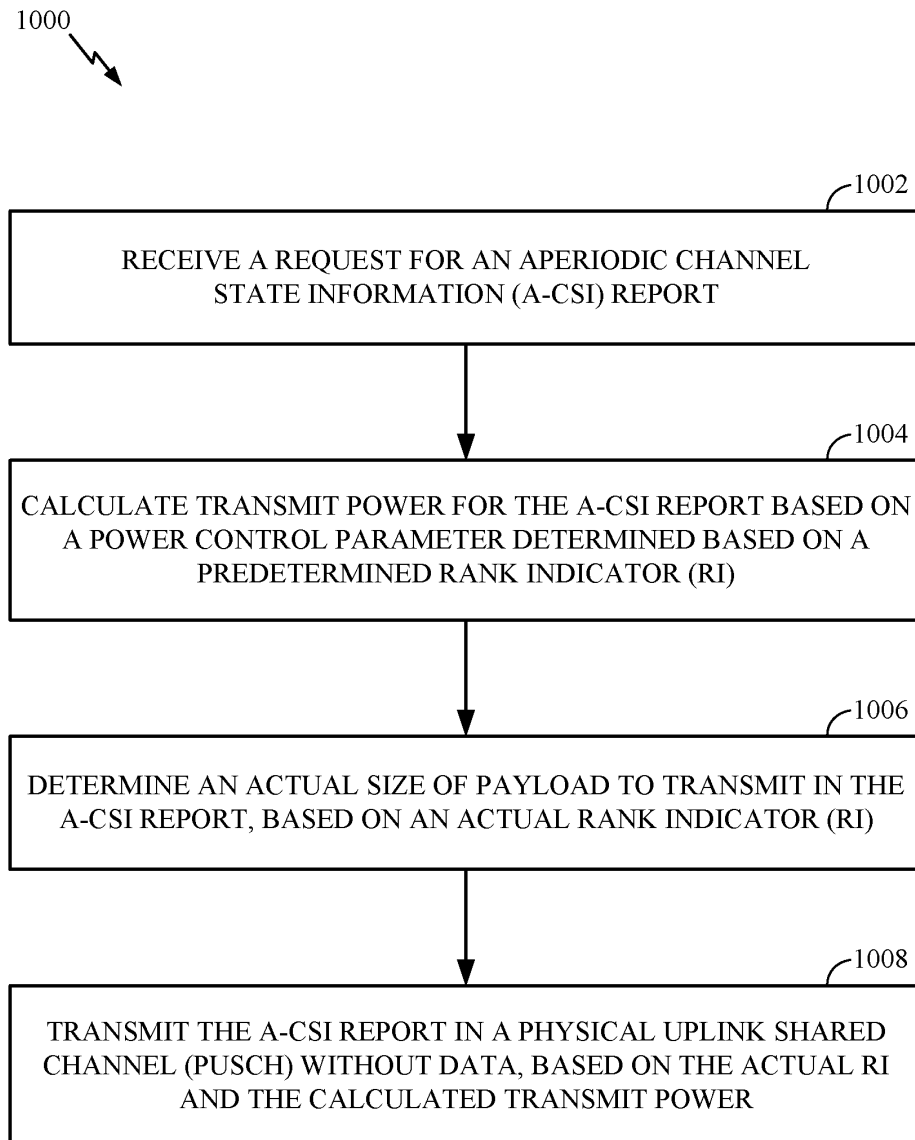


FIG. 10

11/18

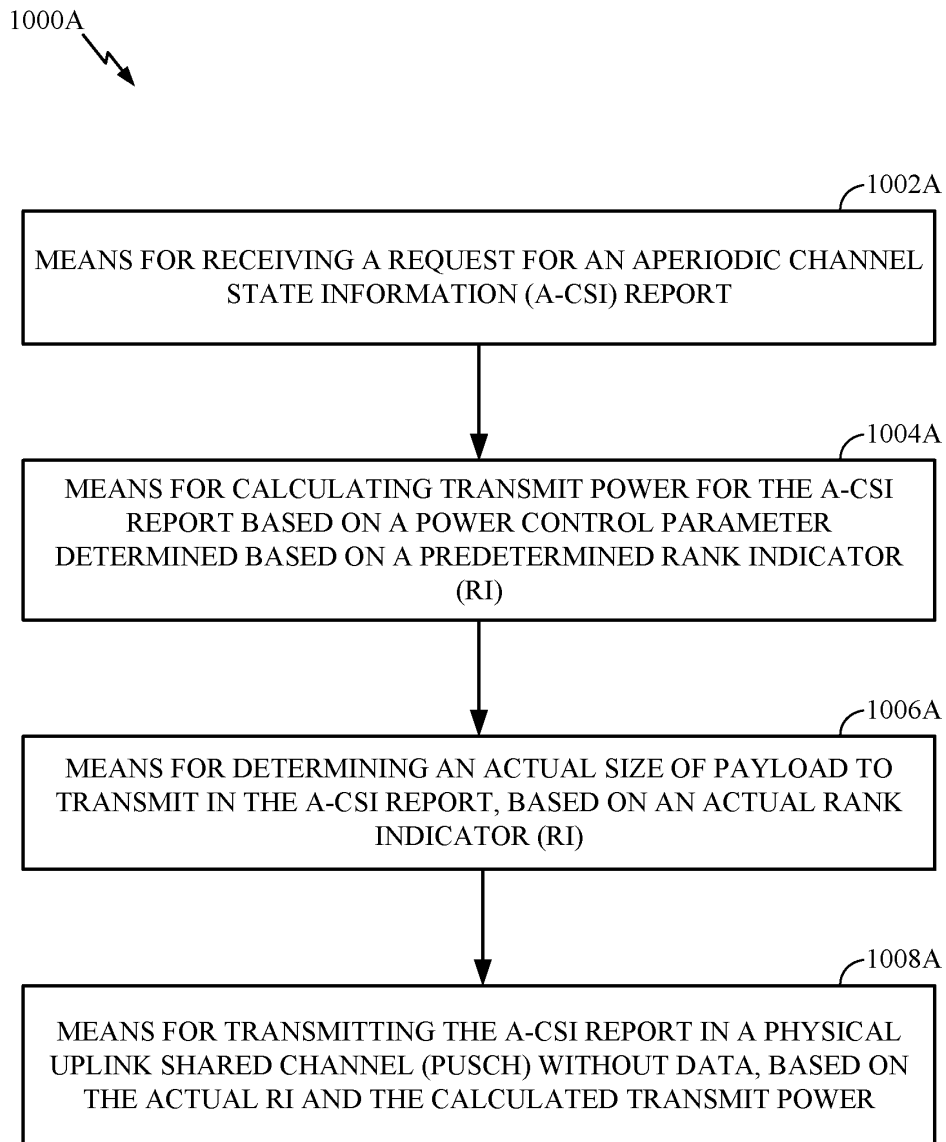


FIG. 10A

$\Delta_{TF,c}(i) = 10 \log_{10} \left(2^{BPRE \cdot K_S - 1} \cdot \beta_{offset}^{PUSCH} \right)$ for $K_S = 1.25$ and 0 for $K_S = 0$ where K_S is given by the parameter *deltaMCS-Enabled* provided by higher layers for each serving cell c . $BPRE$ and β_{offset}^{PUSCH} , for each serving cell c , are computed as below. $K_S = 0$ for transmission mode 2.

- $BPRE = OCQI / N_{RE}$ for control data sent via subframe-PUSCH without UL-SCH data or slot/subslot-PUSCH without UL-SCH data if the UE is configured with a higher layer parameter *uplinkPower-CSIPayload*.
 $BPRE = O'_{CQI} / N_{RE}$ and $O'_{CQI} = OCQI$ assuming $RI = 1$ for slot/subslot-PUSCH without UL-SCH data if the UE is not configured with a higher layer parameter *uplinkPower-CSIPayload*. $BPRE = \sum_{r=0}^{C-1} K_r / N_{RE}$ for other cases.

FIG. 11

13/18

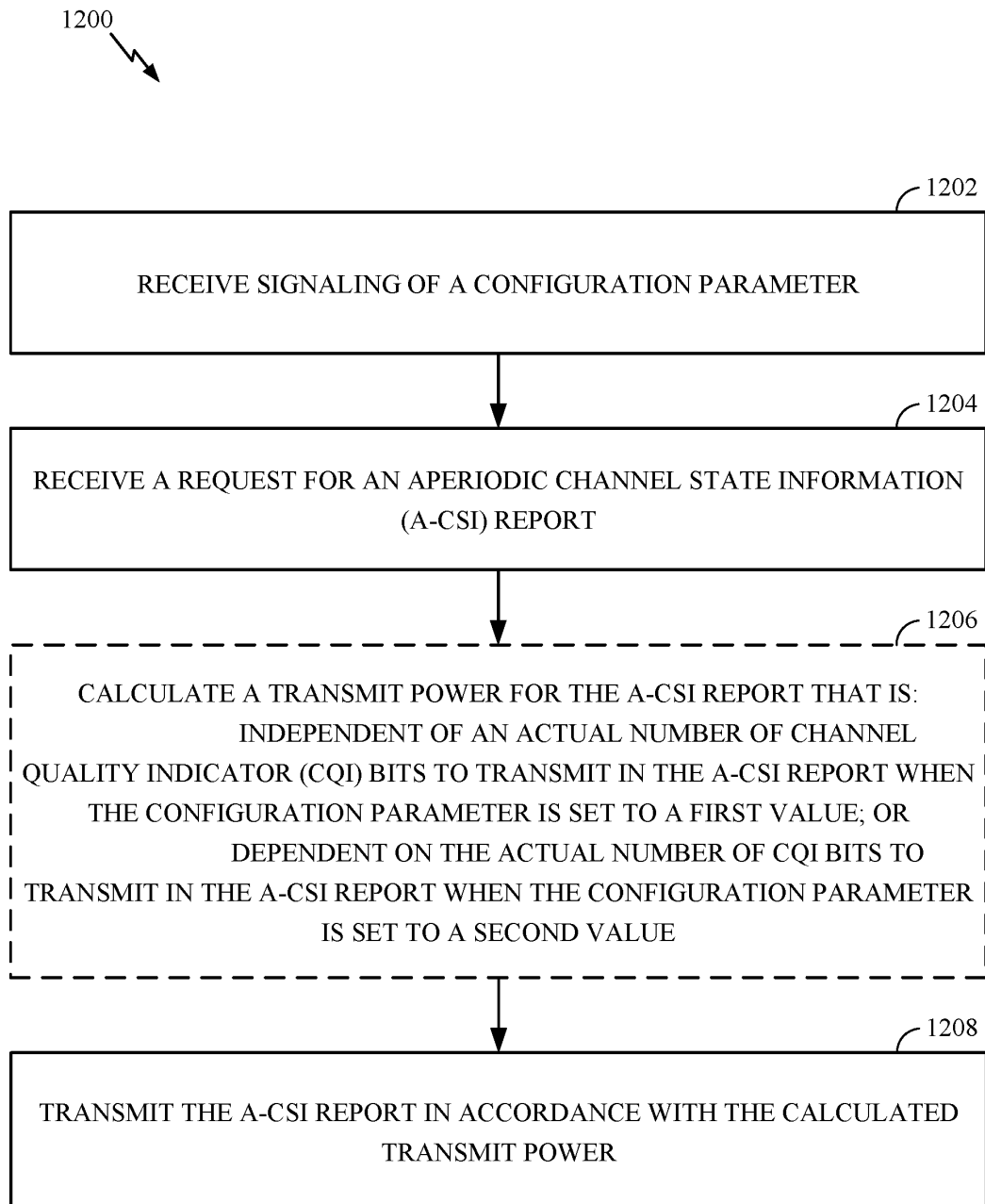


FIG. 12

14/18

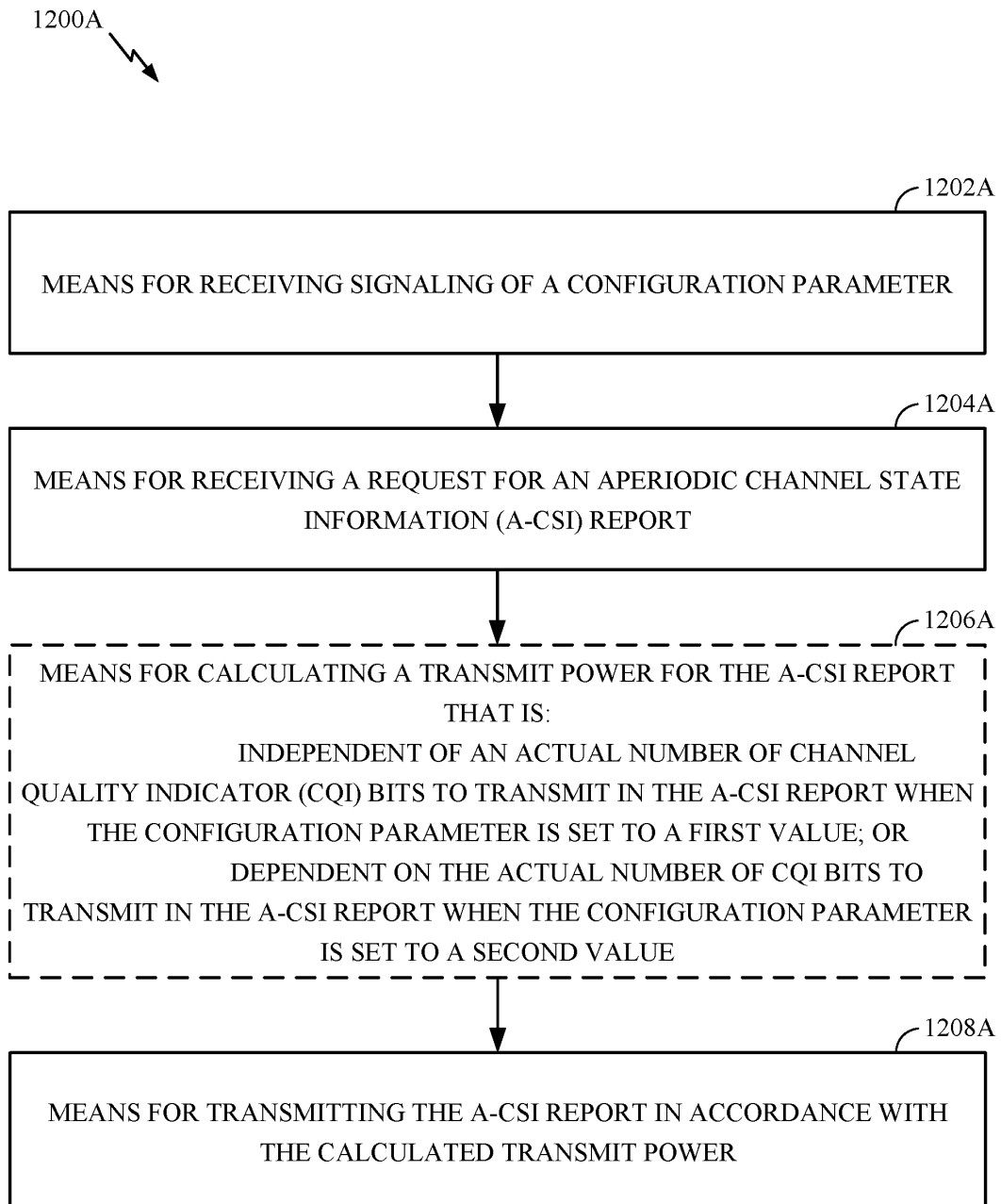


FIG. 12A

15/18

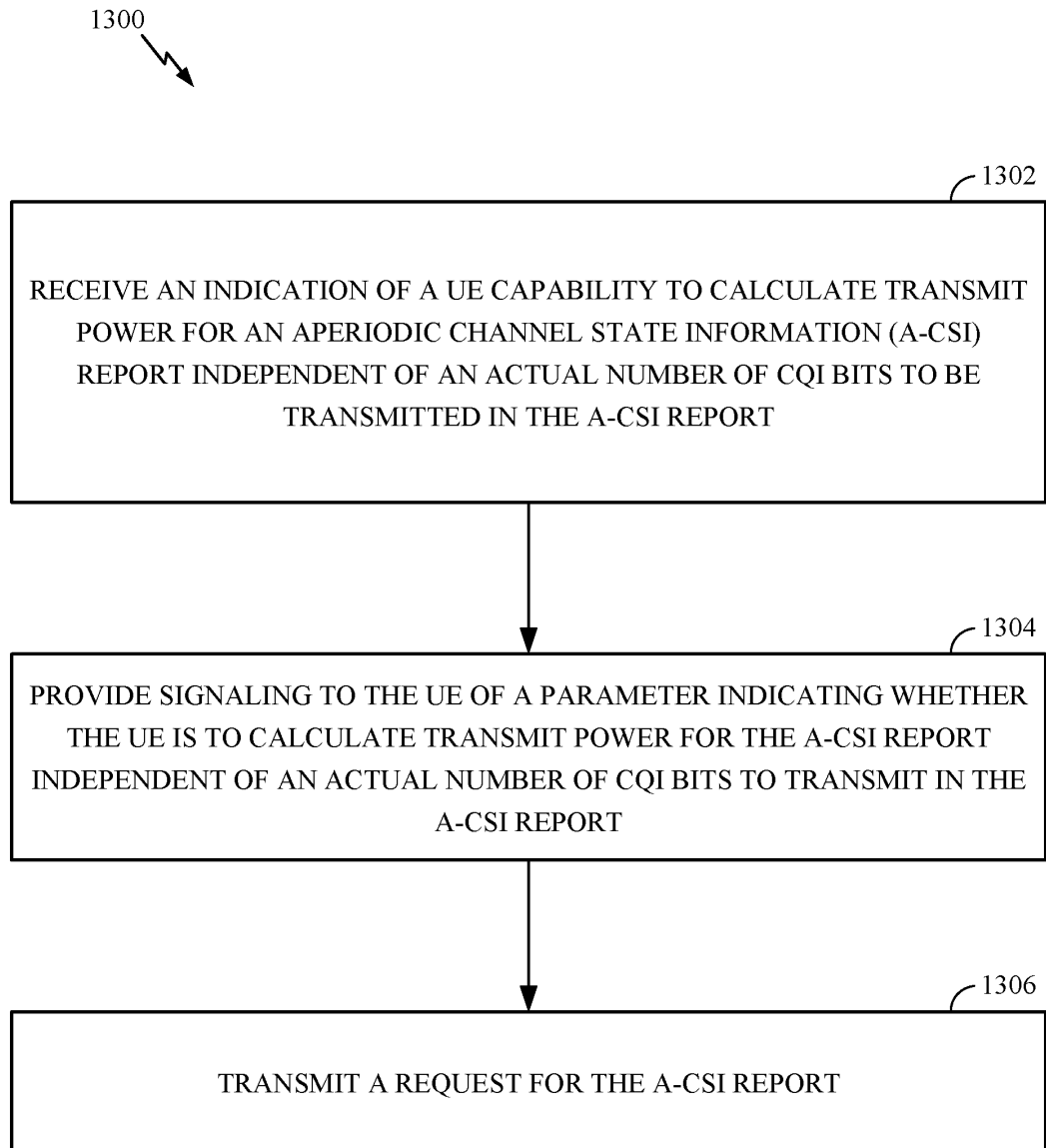


FIG. 13

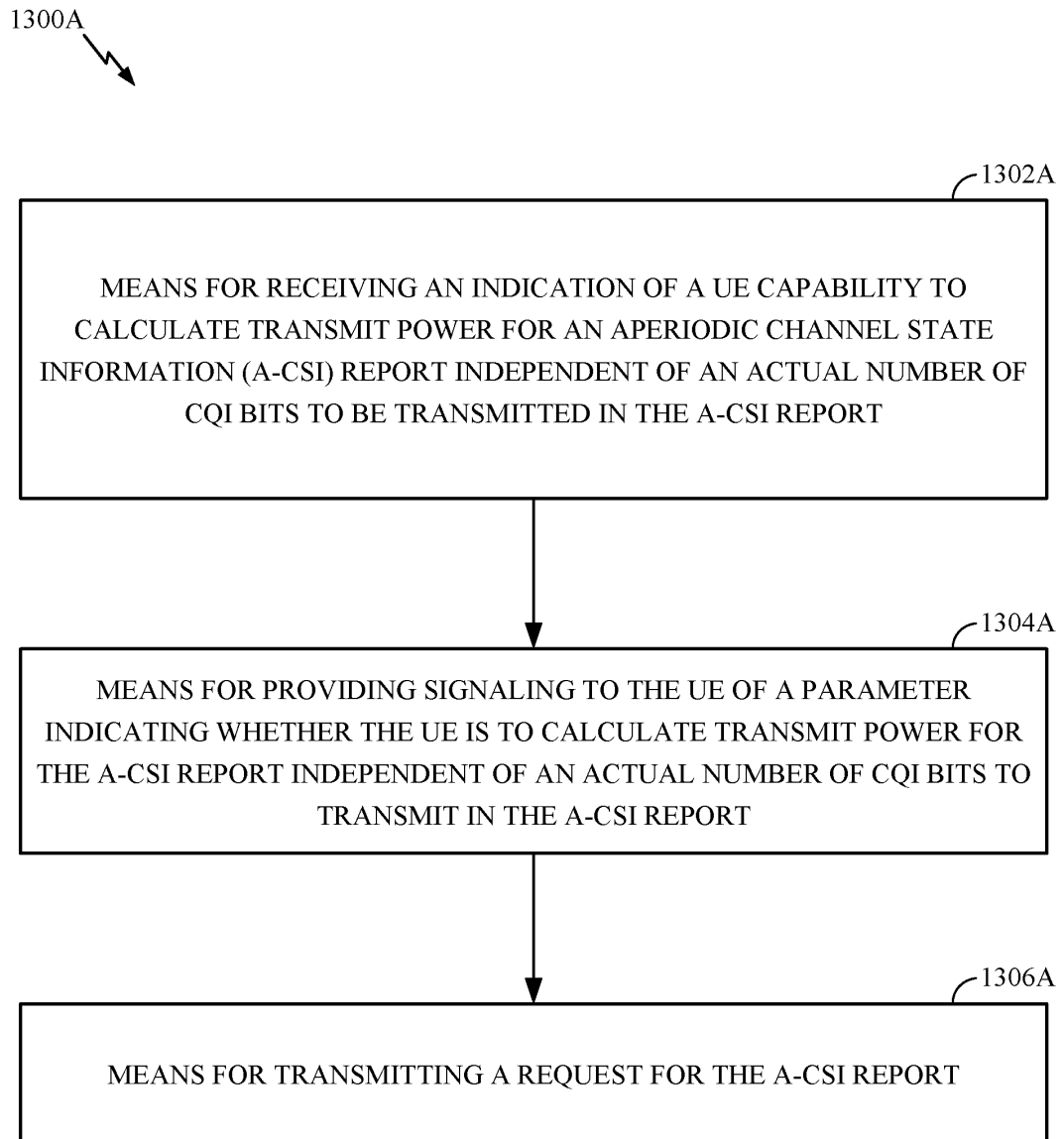


FIG. 13A

$\Delta_{TF,c(i)} = 10 \log_{10} \left((2^{BP_{RE} \cdot K_S - 1}) \cdot \beta_{offset}^{PUSCH} \right)$ for $K_S = 1.25$ and 0 for $K_S = 0$ where K_S is given by the parameter *deltaMCS-Enabled* provided by higher layers for each serving cell c . BP_{RE} and β_{offset}^{PUSCH} , for each serving cell c , are computed as below. $K_S = 0$ for transmission mode 2.

- $BP_{RE} = O_{CQI} / N_{RE}$ for control data sent via subframe-PUSCH without UL-SCH data or slot/subslot-PUSCH without UL-SCH data if the UE is configured with a higher layer parameter *uplinkPower-CSIPayload*. $BP_{RE} = O'_{CQI} / N_{RE}$ and $O'_{CQI} = \max\{O_{CQI,RI}\}$ with $O_{CQI,RI}$ defined as the number of CQI/PMI bits including CRC for a given RI value for slot/subslot-PUSCH without UL-SCH data if the UE is not configured with a higher layer parameter *uplinkPower-CSIPayload*. $BP_{RE} = \sum_{r=0}^{C-1} K_r / N_{RE}$ for other cases.

FIG. 14

1500 ↘

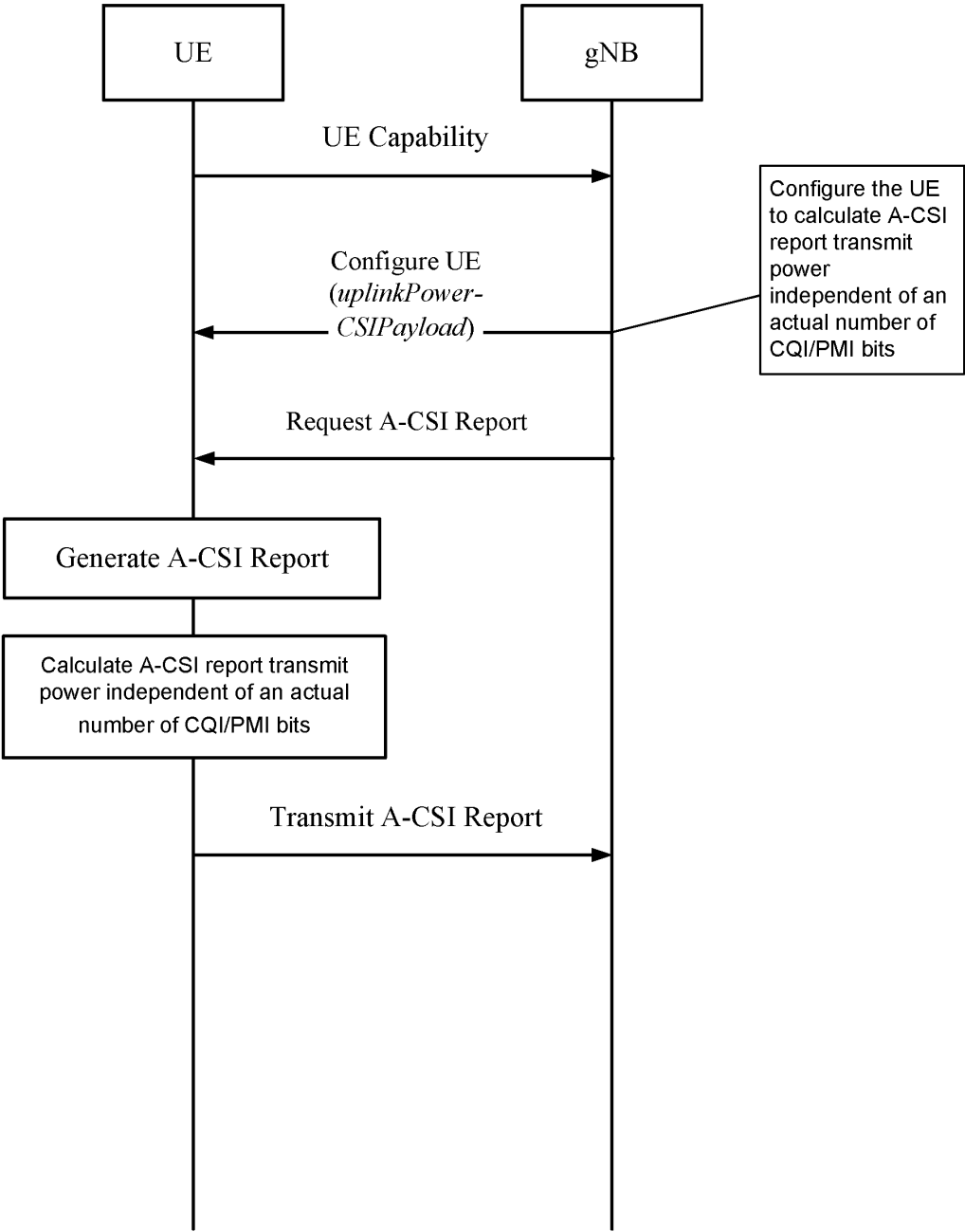


FIG. 15