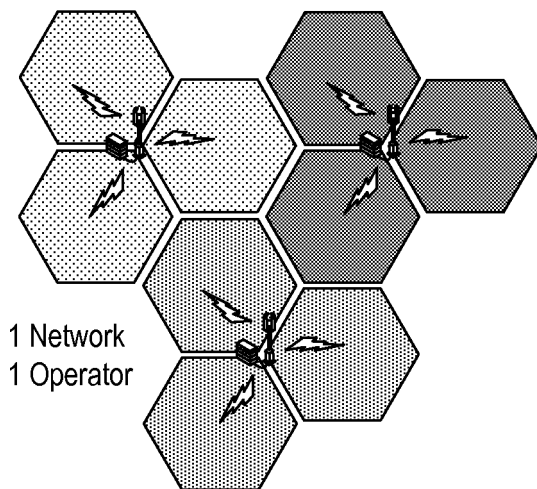
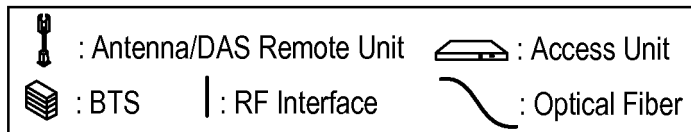


100

Non-Virtualized Wireless Network

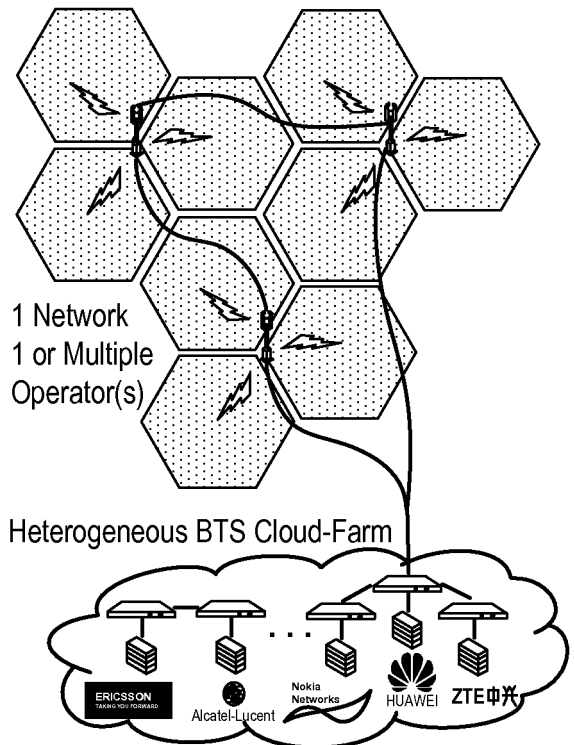
Each BTS covers a fixed cell area (Non-Scalable)
 Need to add BTS for more capacity
 BTS Over-provisioning needed for peak demand

**FIG. 1A**

150

Virtualized Wireless Network

Each BTS can cover anywhere
 Unlimited capacity from BTS cloud-farm
 Remote unit can be added to network and
 deployed anywhere for coverage

**FIG. 1B**

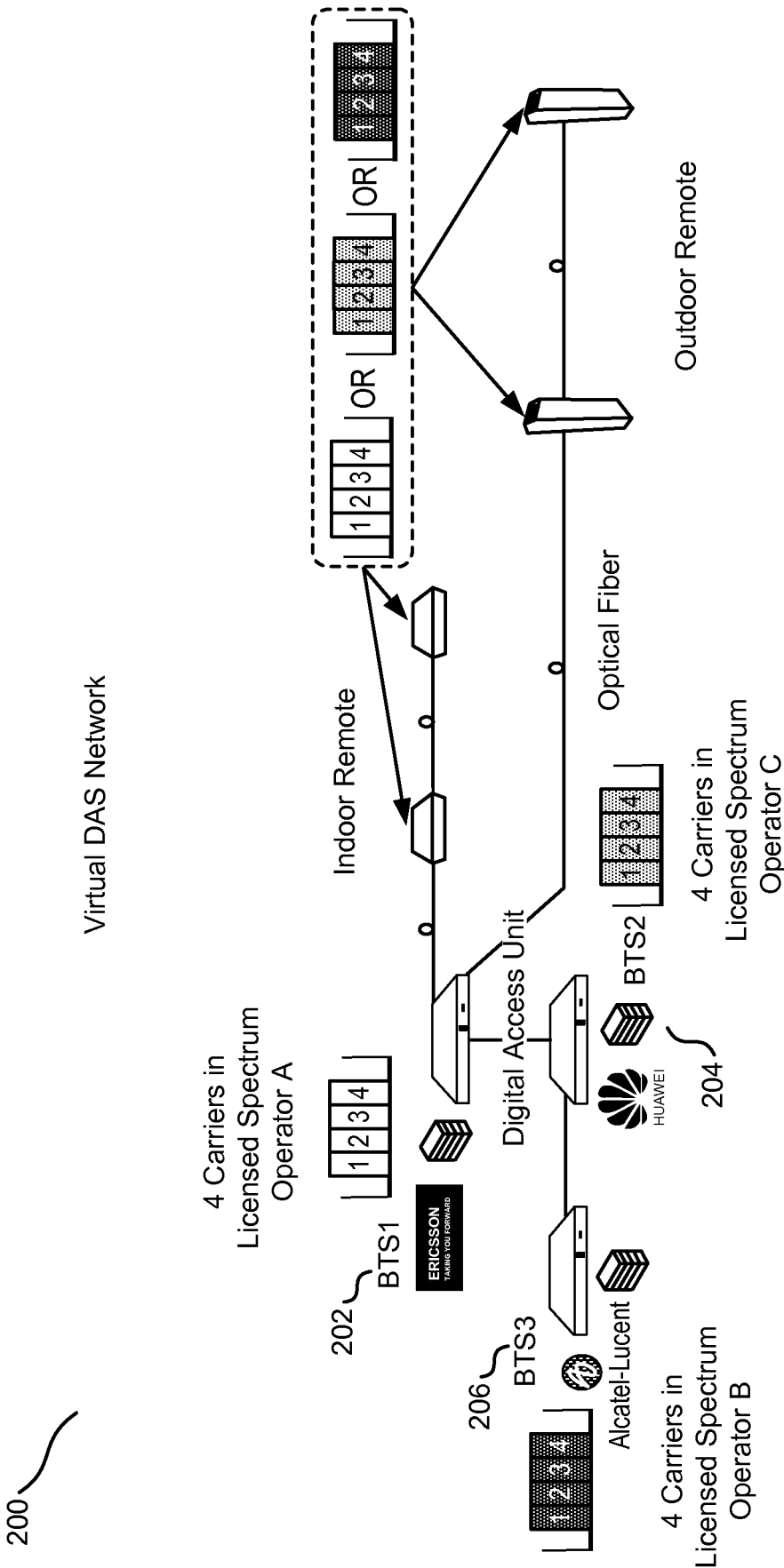
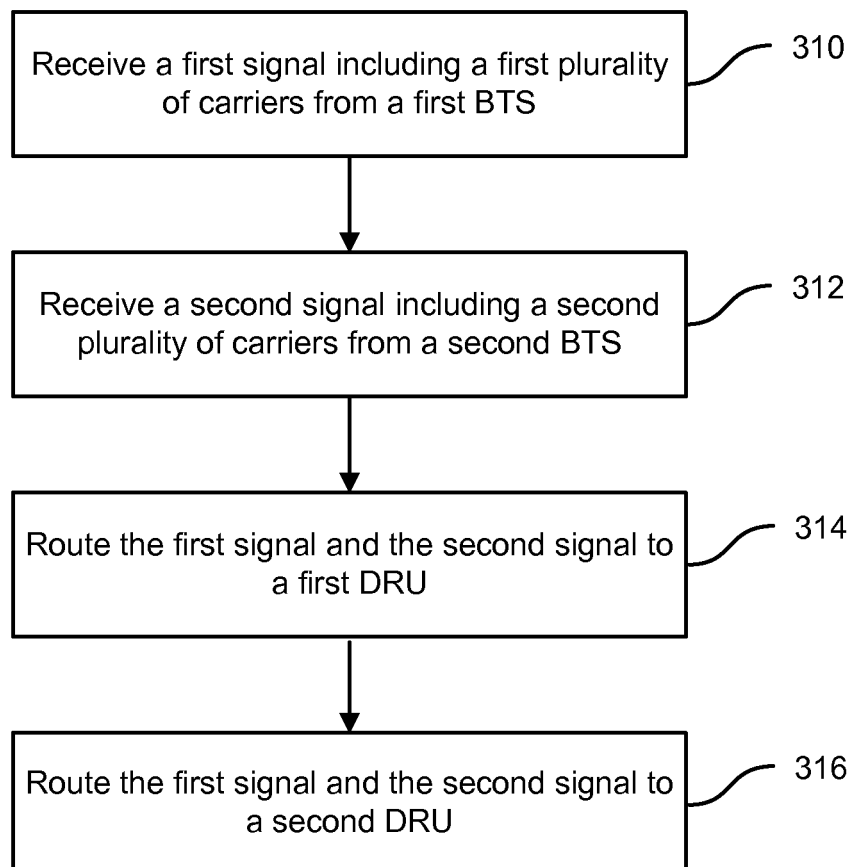
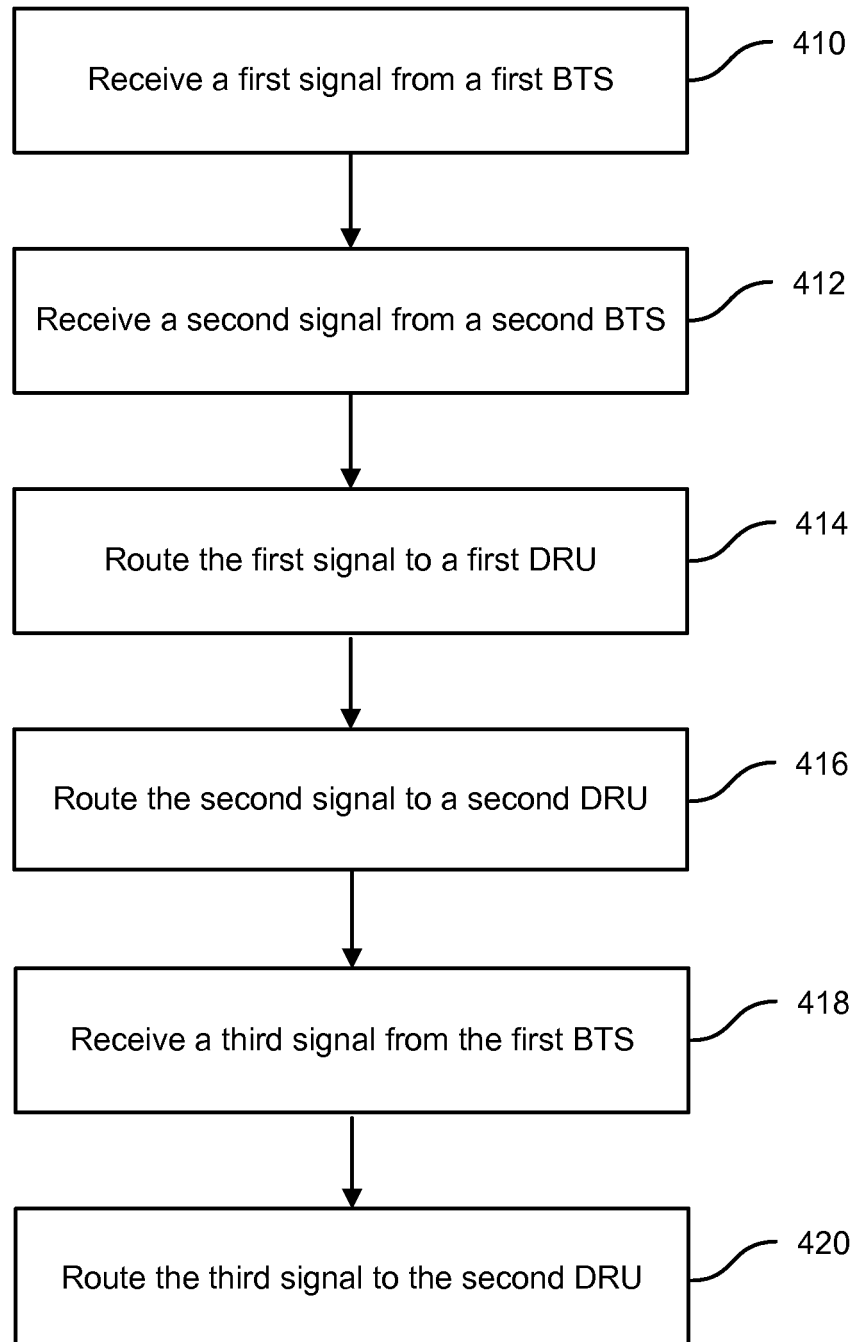


FIG. 2

**FIG. 3**

**FIG. 4**

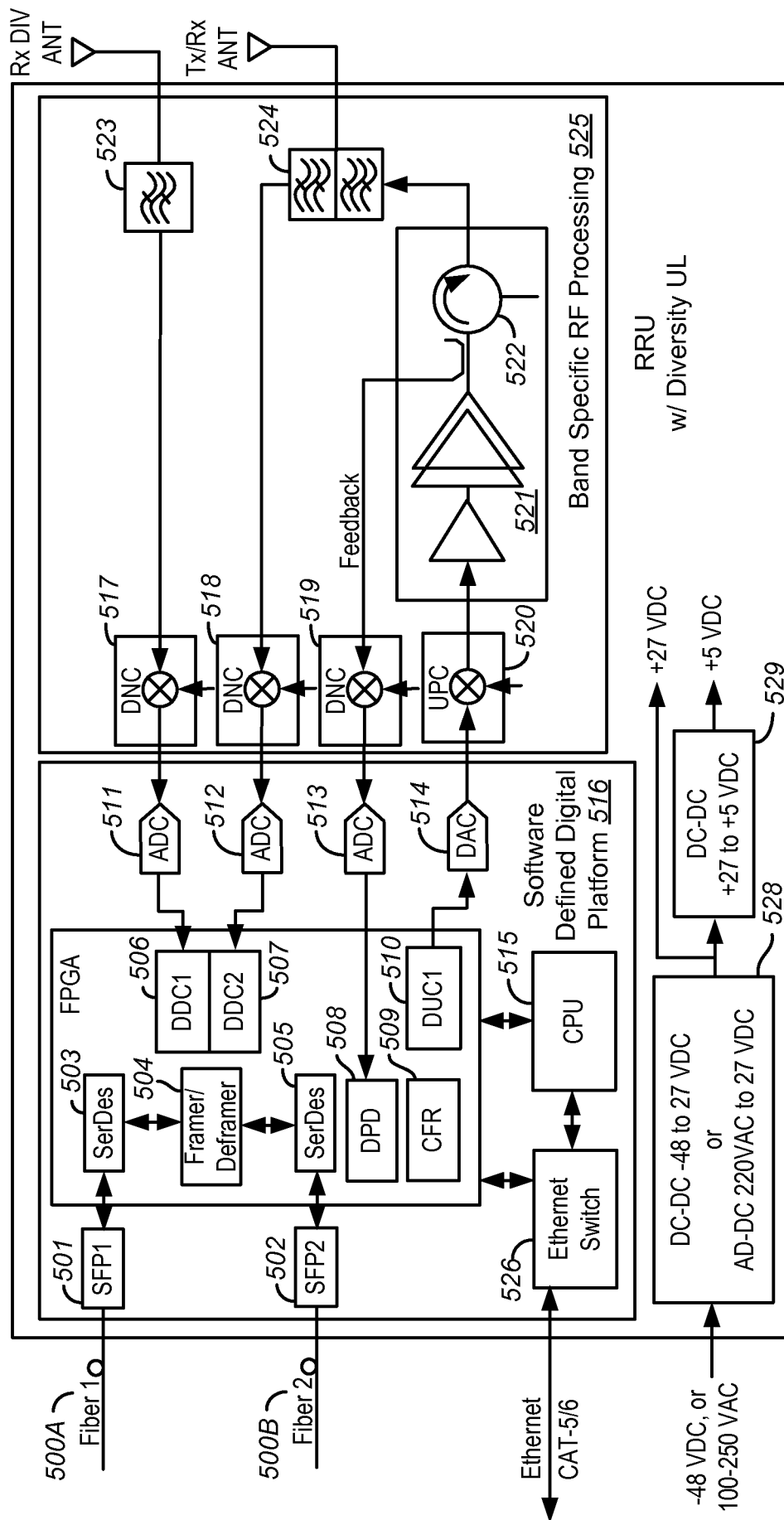
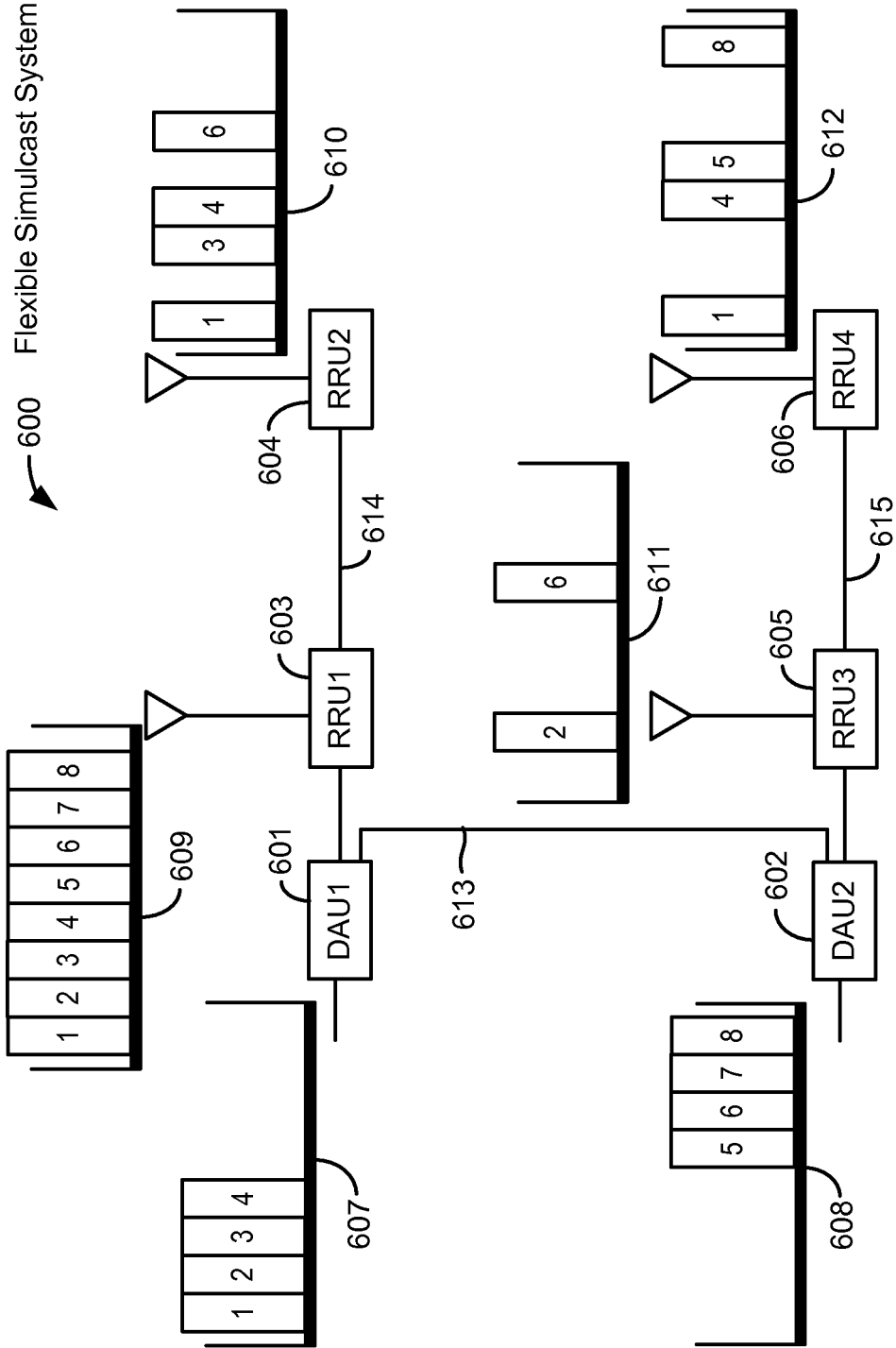
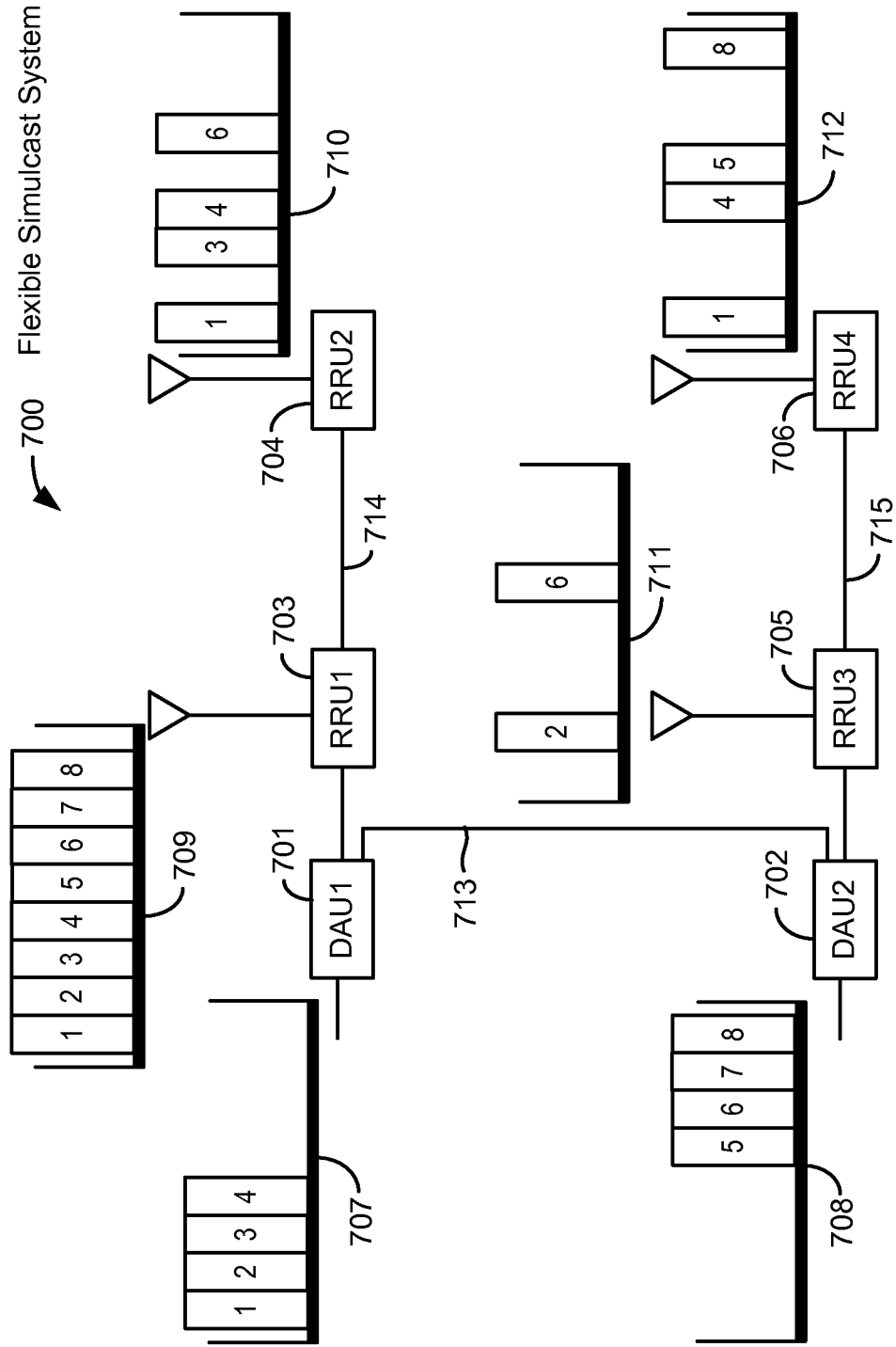


FIG. 5
Remote Radio Head Unit



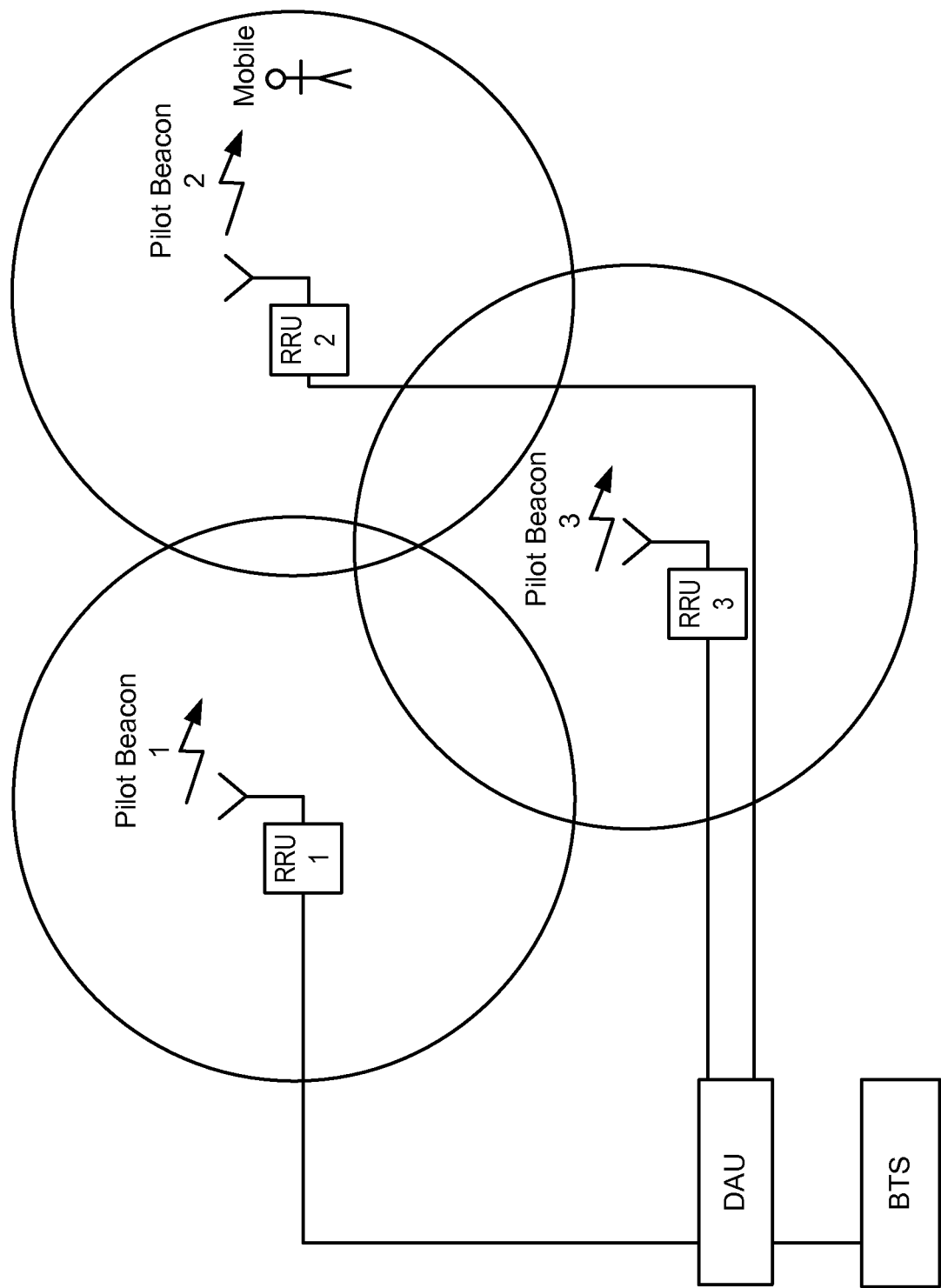
Flexible Simulcast Downlink Example

FIG. 6



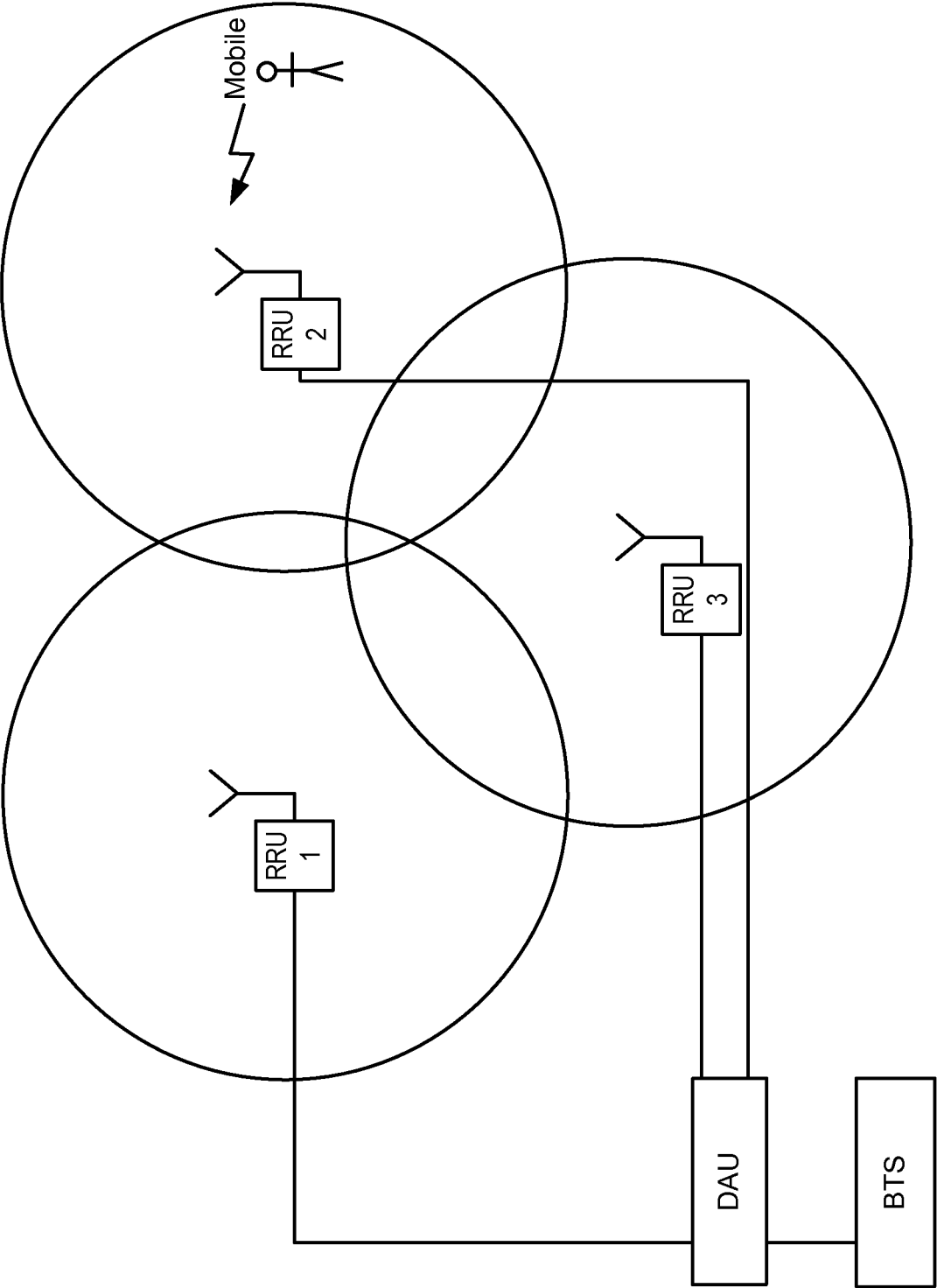
Flexible Simulcast Uplink Example

FIG. 7



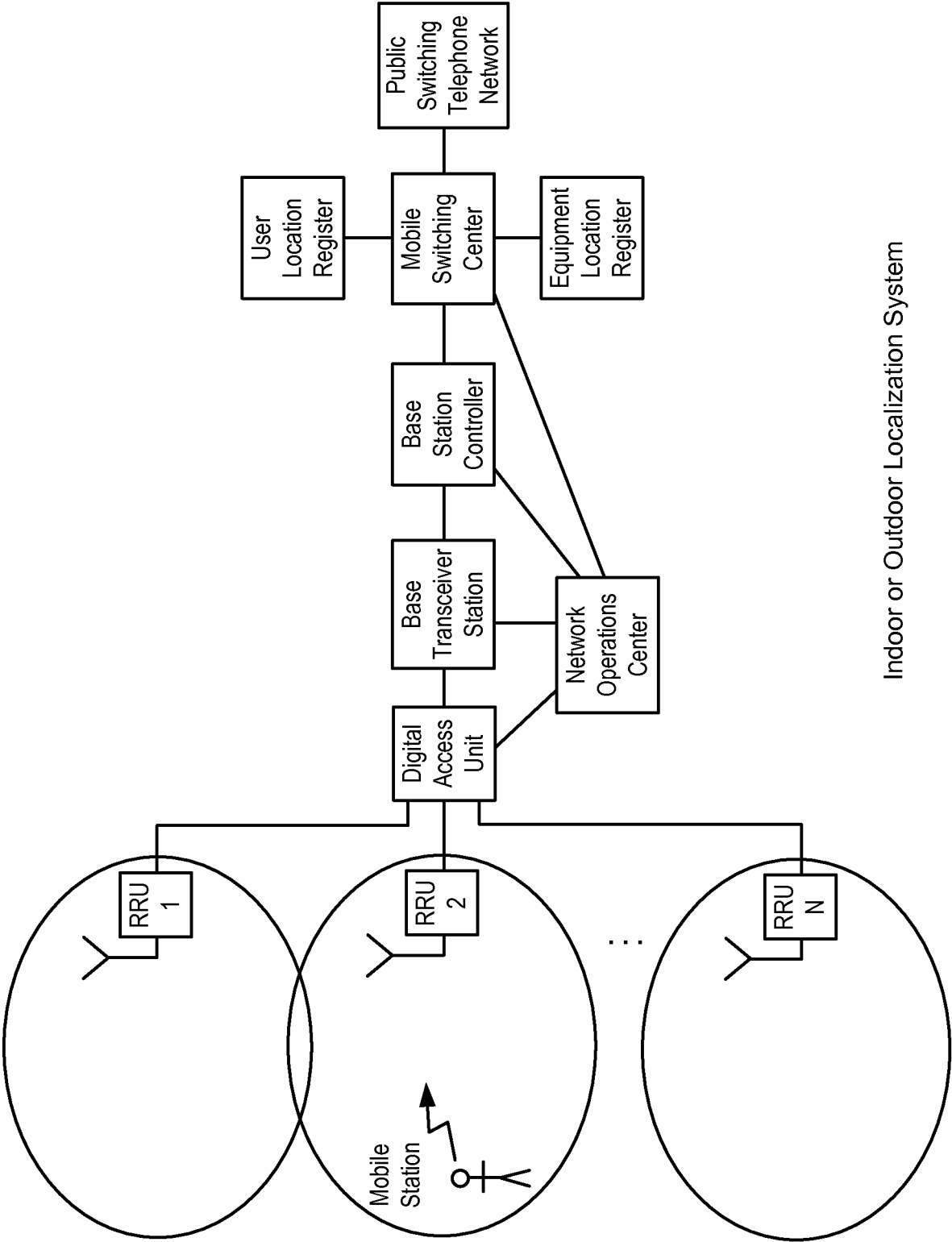
Pilot Beacon Indoor Localization System for CDMA and WCDMA

FIG. 8



Indoor Localization System of GSM and LTE

FIG. 9



Indoor or Outdoor Localization System

FIG. 10

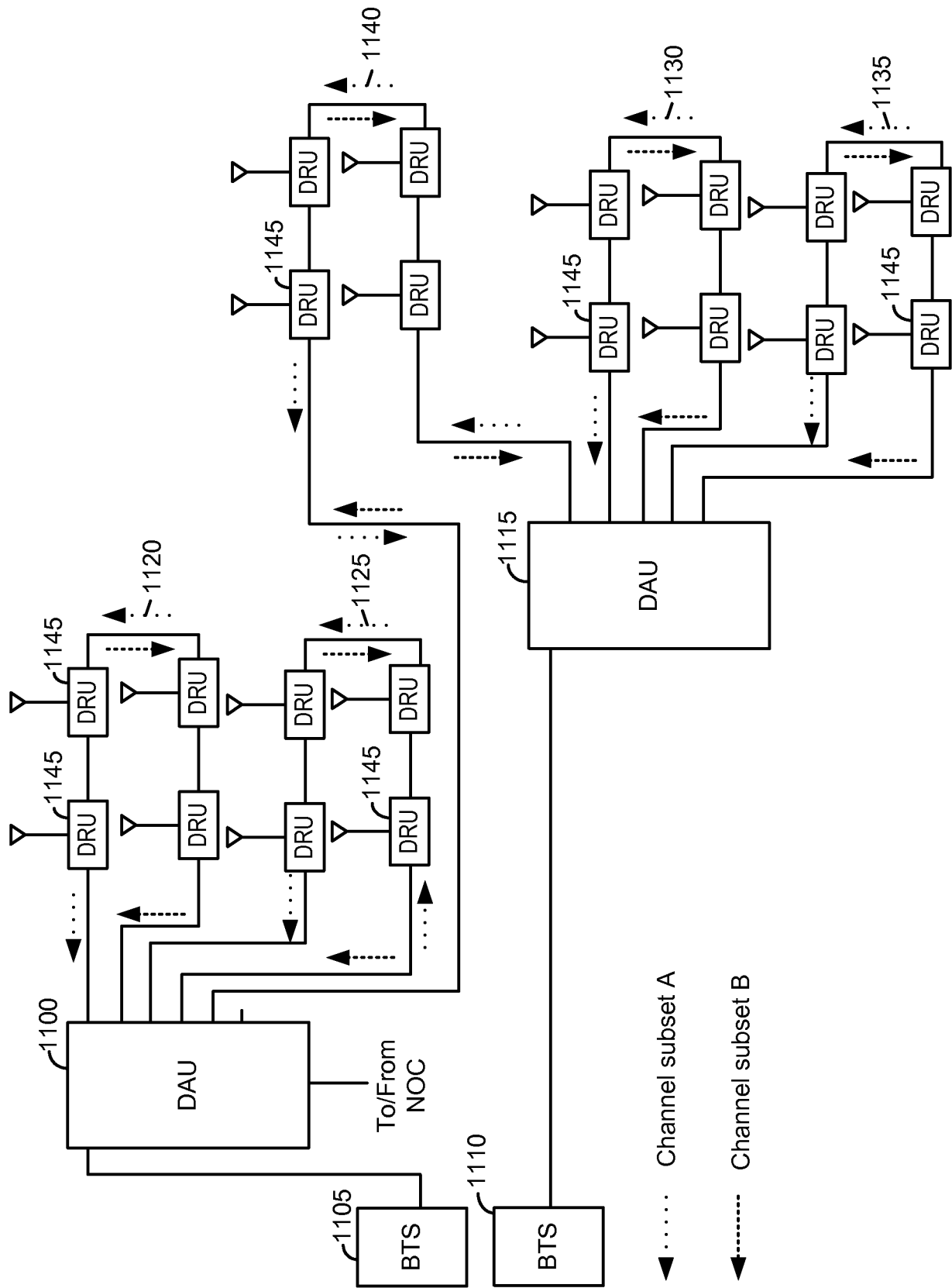


FIG. 11

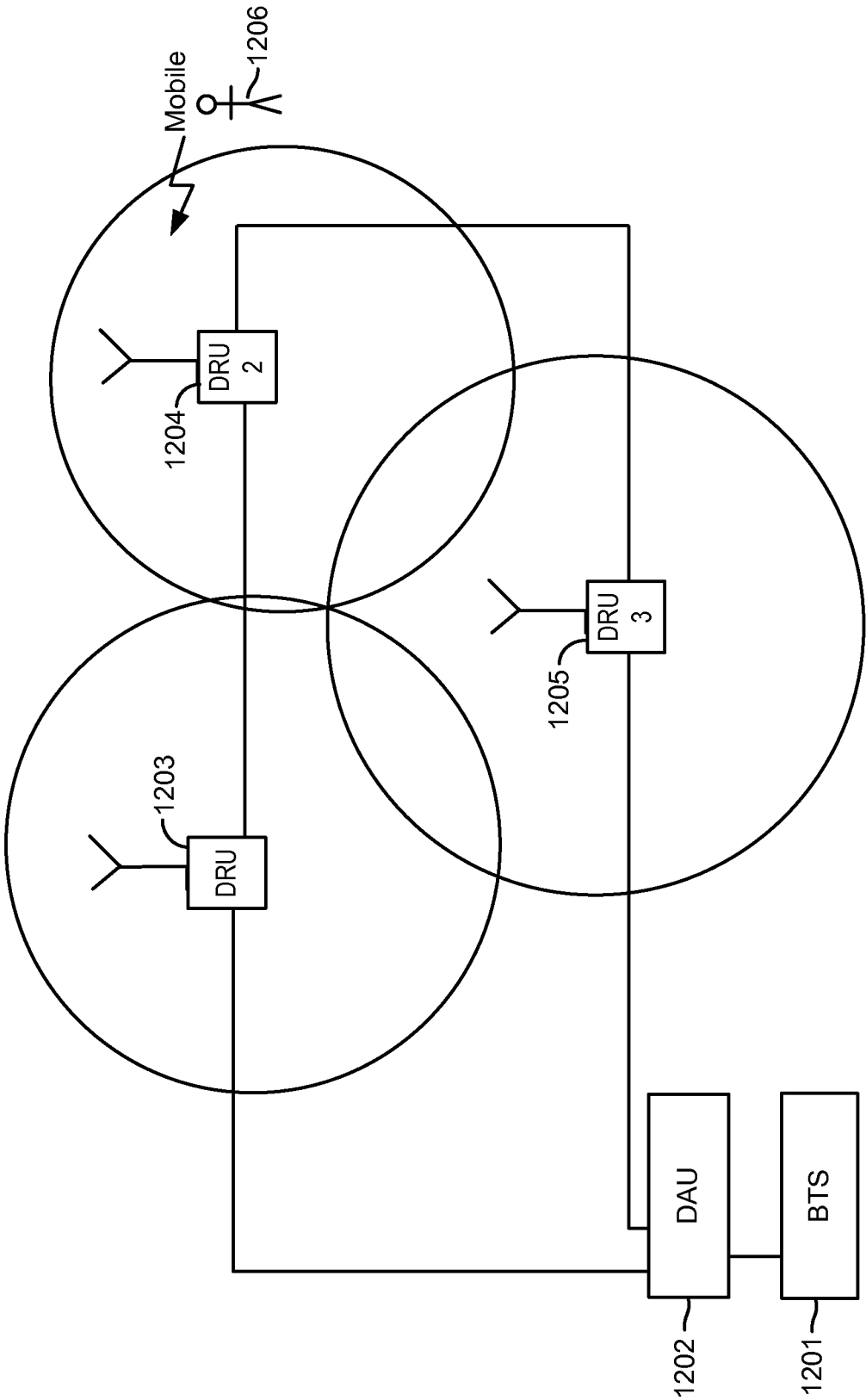


FIG. 12

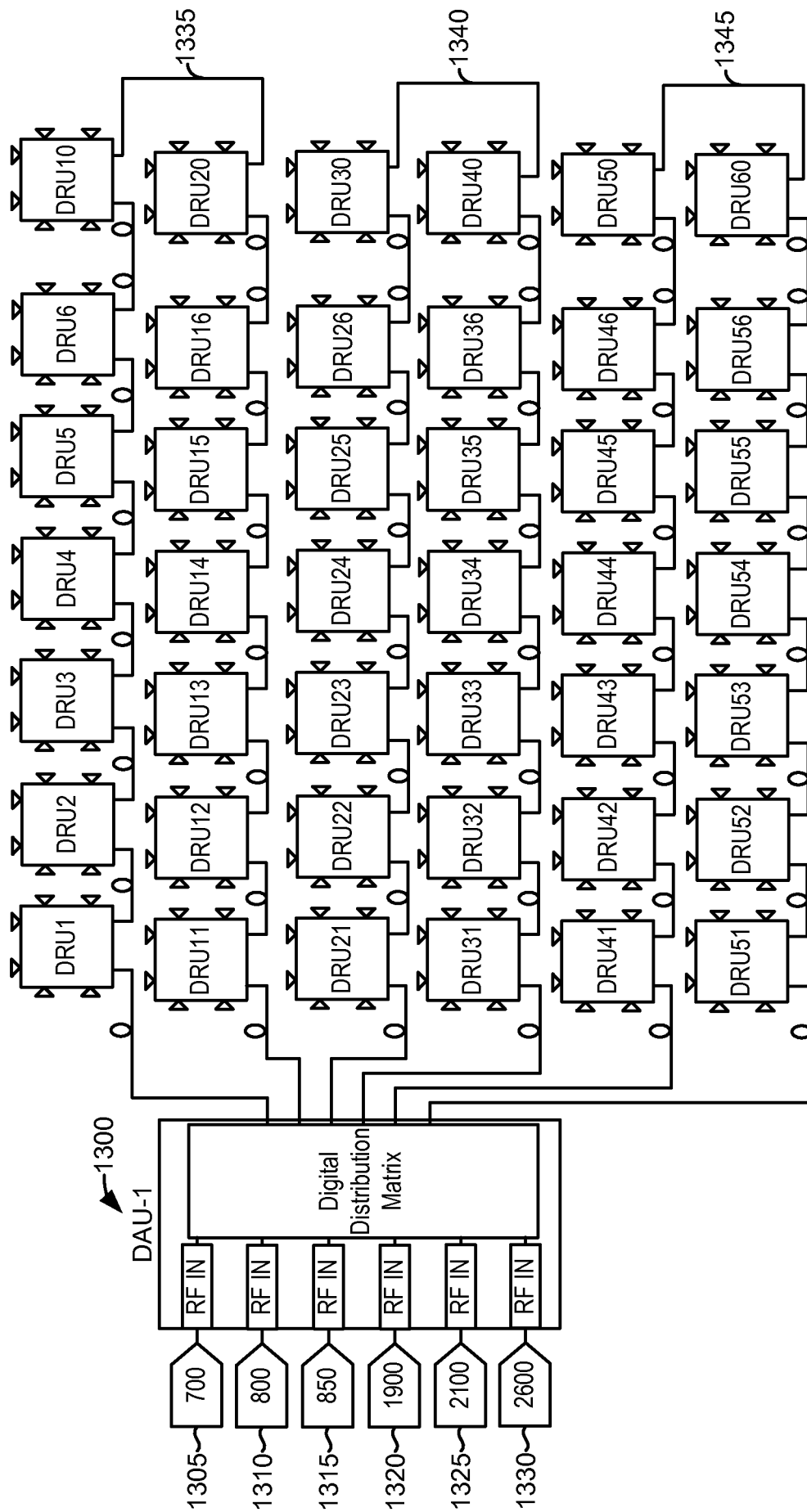


FIG. 13

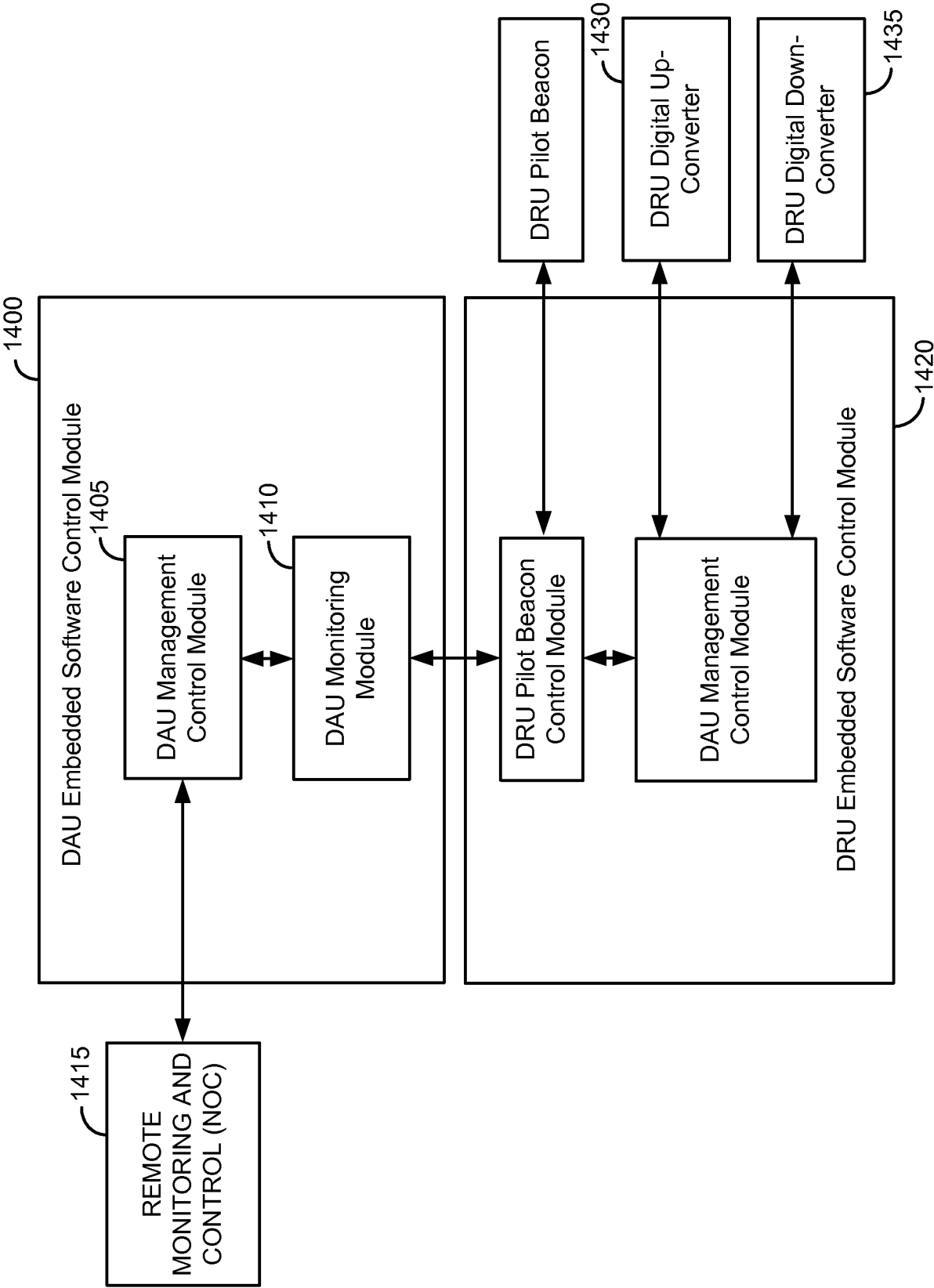
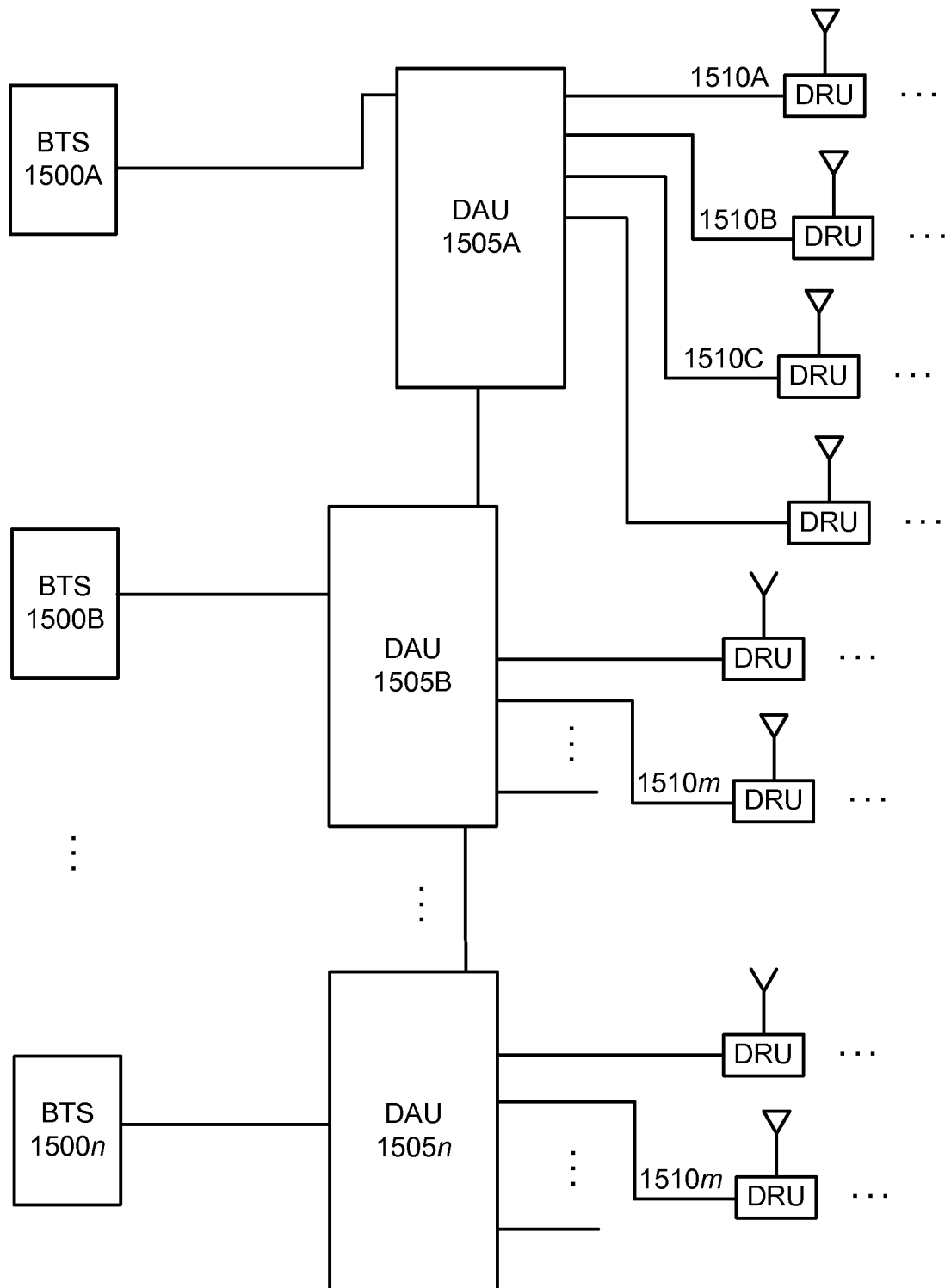


FIG. 14

**FIG. 15**