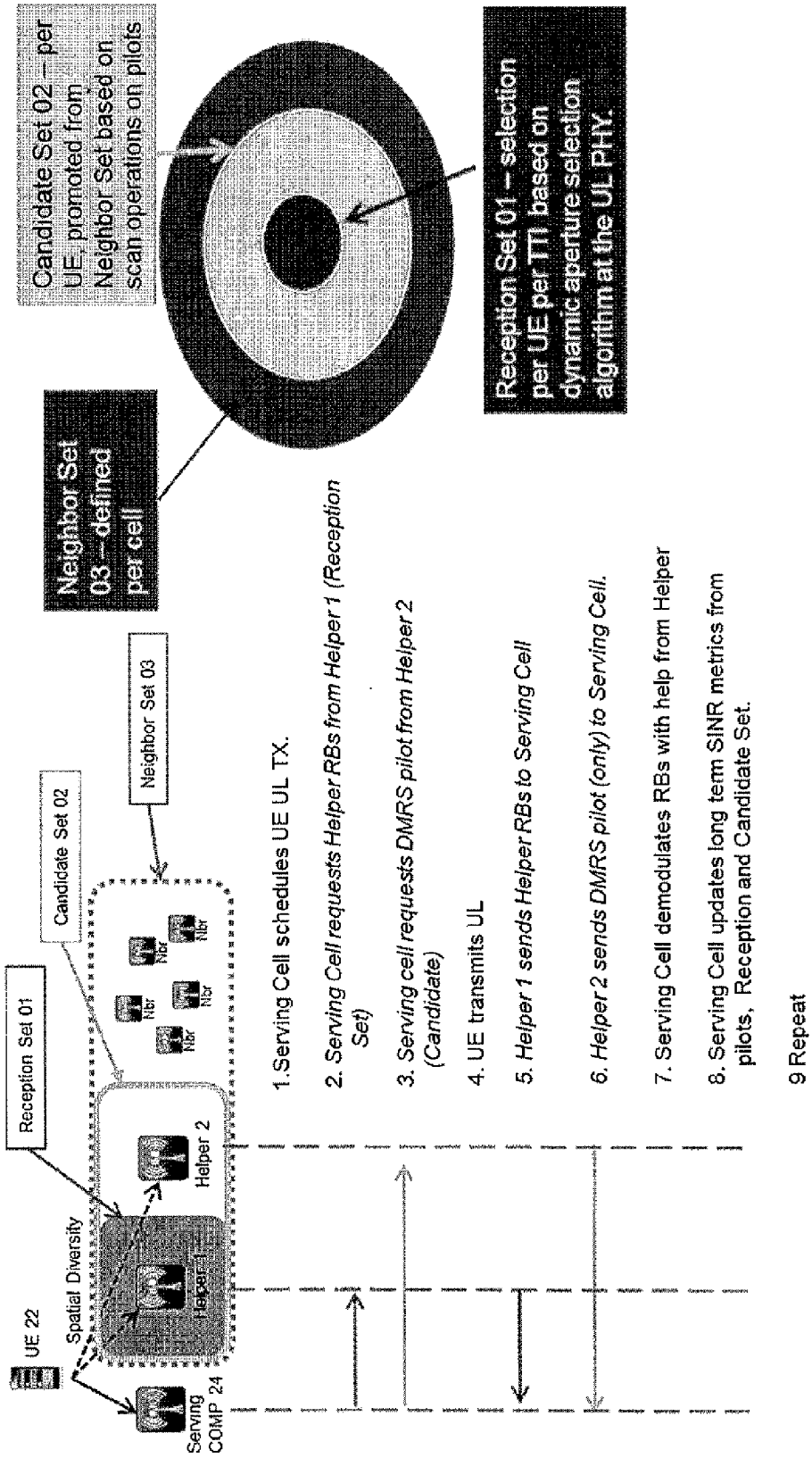
Candidate Set 02 – per UE, promoted from Neighbor Set based on scan operations on pilots
Reception Set 01 – selection per UE per TTI based on dynamic aperture selection algorithm at the UL PHY.
Neighbor Set 03 – defined per cell
Neighbor Set 03
Candidate Set 02
Reception Set 01
Nbr
Helper 2
Helper 1
Spatial Diversity
UE 22
Serving COMP 24
1. Serving Cell schedules UE UL TX.
2. Serving Cell requests Helper RBs from Helper 1 (Reception Set)
3. Serving cell requests DMRS pilot from Helper 2 (Candidate)
4. UE transmits UL
5. Helper 1 sends Helper RBs to Serving Cell
6. Helper 2 sends DMRS pilot (only) to Serving Cell.
7. Serving Cell demodulates RBs with help from Helper
8. Serving Cell updates long term SINR metrics from pilots, Reception and Candidate Set.
9 Repeat

FIGURE 5