

8.7.6 CDMA UL cell selection

For the CDMA UL, there are two algorithms selectable in SEAMCAT:

Recommended algorithm when the interferer is a cellular network or affecting many cells in a network: the noise rise (which is measured per cell) is averaged over the whole network. This way, the UEs with highest power over the whole victim network are removed in order to compensate the noise rise due to external interference (Section 8.7.4).

Recommended algorithm when the interferer affects one or a few cells in a network (e.g. a strong interferer located close to a small part of the victim network): the noise rise is calculated per cell. This algorithm works as follows:

1. The cells with highest noise rise are selected.
2. Recursively, cell per cell, the UEs with highest power in the cell are removed in order to level out the network noise rise (see Annex A15.3 for further details on the algorithm)

This algorithm allows investigating per event how many cells are being affected (see Section 12.5.3).

Revision #1

Created 2026-04-17 12:44:31 UTC by ECO TECH

Updated 2026-04-17 12:44:39 UTC by ECO TECH