

# 8.7.5 Outage calculation

Two conditions are counted as outage.

1. A mobile station, which is not able to transmit the required amount of power to meet the received  $E_b/N_0_{target}$  due to maximum power limitations. This mobile is counted as part of the specified traffic load  $N_{UL}$ . However, the mobile is assumed to be transmitting no power.
2. In the case of  $Act_{MS} < N_{UL}$ , no more mobile stations can be added to the set of active users because of noise rise limits. In this event,  $N_{UL} - Act_{MS}$  outages are counted.

For each event, the number of optimised users is being re-calculated

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