

What makes TB4 a good base station? TB4 is a hybrid base station, with both TETRA and 4G/5G technologies in one base station. This allows operators flexibility - TB4 offers smooth evolution to broadband services. Nokia AirScale's energy efficiency offers significant savings for critical operators. Operating expenses (OPEX) play an important role in the long term. What are base station sleep strategies in 5G UDN? In 5G UDN environments, the use of base station sleep techniques is one of the most widely used methods to reduce power consumption. In this paper, two types of base station sleep strategies are distinguished: threshold-based base station sleep strategies and adaptive base station sleep strategies.

2.1. Threshold-based base station sleep strategy

What are the standardized energy-saving metrics for a base station? (1) Energy-saving reward: after choosing a shallower sleep strategy for a base station, the system may save more energy if a deeper sleep mode can be chosen, and in this paper, the standardized energy-saving metrics are defined as $R_{ie} = E_{SM=0} - E_{SM=i}$, $R_{em} = E_{SM=0} - E_{SM=3}$

What is threshold-based base station sleep strategy? Threshold-based base station sleep strategy is a common base station management method in wireless communication networks, which adjusts the operating state of the base station to save energy and improve resource utilization by dynamically setting appropriate thresholds.

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