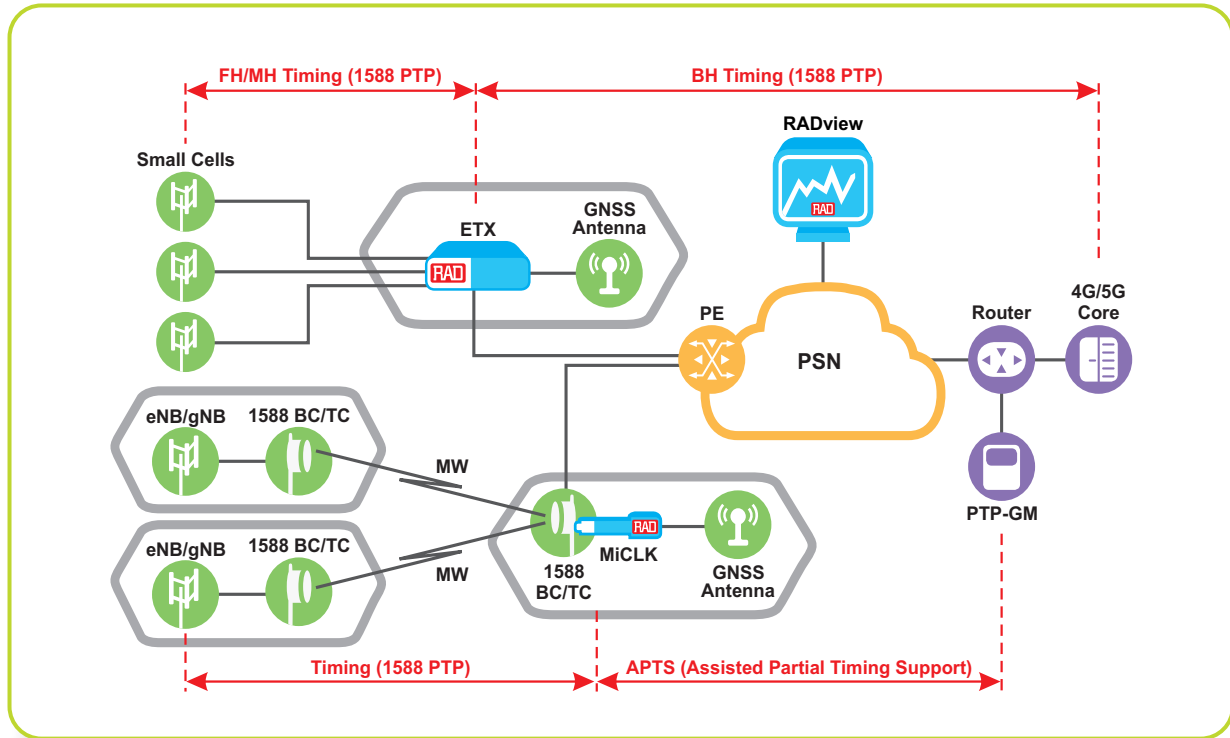




# Timing Synchronization for Mobile Networks



## Your Benefits:

- Addressing stringent timing requirements (frequency/phase) for LTE/LTE-A/5G macro and small cells with a fully featured PTP Grandmaster:
  - ETX-2 in a local POP/hub
  - MiCLK unique SFP plugged into an aggregation switch
- Enhanced cost efficiency by bringing PTP Grandmaster closer to the cell site
- Built-in GNSS receiver eliminates the need for a GNSS antenna on every cell site; avoids spoofing and jamming
- Full network coverage, even in underground and indoor installations
- Fits existing installed base – no need for CapEx investments in retrofitting network with 1588 BC/TC support across the entire path
- Robust GNSS (GPS/GLONASS) backup – time holdover for 72 hours, using Sync-E or 1588 frequency references from the network (Assisted Partial Timing Support)



**ETX-2/ETX-2i**  
Carrier Ethernet Demarcation



**MiCLK**  
1588 Grandmaster on an SFP



**RADview**  
Management and Domain Orchestration