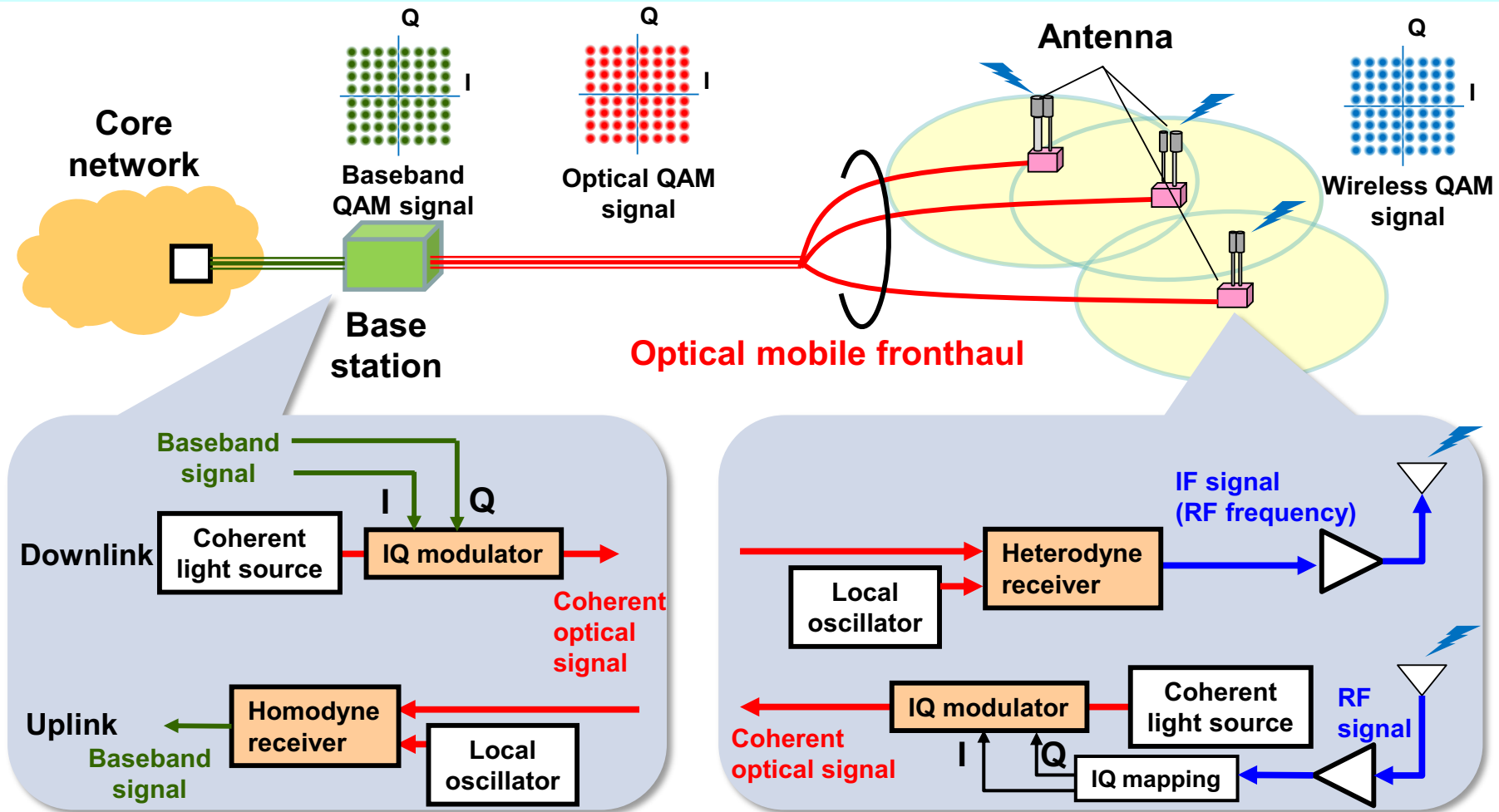


# Accommodation of Mobile Access toward Beyond 5G

We will develop a full coherent RoF (Radio over Fiber) transmission system that seamlessly transmits radio signals as optical signals, as well as an optical/wireless conversion technology that down-converts optical signals to radio signals by heterodyne detection and transmits from an antenna. We will achieve fundamental technology of optical/wireless integrated transmission system with high efficiency and low latency while maintaining the coherence of radio signals in optical fibers.



Direct conversion between optical and microwave frequencies while maintaining coherence