Comprehensive Mobile RF Front End

RF Front End (RFFE) refers to a set of mobile device components that convert information into radio signals that can be transmitted and received over the air. Qualcomm Technologies develops a comprehensive suite of RFFE products, wraps modem intelligence around them, and delivers cutting-edge mobile solutions that support advanced 5G multimode capabilities.

Benefits for:
- **OEMs**: Low design-in effort for global 5G multimode devices, power-efficient devices, time-to-certification, and time-to-launch.
- **Consumers**: Fewer dropped calls*, more consistent data, voice, and video experiences*, better indoor/outdoor coverage*, and longer battery life*.
- ** Operators**: Better network coverage*, higher spectral efficiency and network capacity*, and customer satisfaction through improved user experience.

RFFE components include:
- Power amplifier modules
- Diversity modules
- Front-end modules
- Diversity switch
- Envelope tracker
- Average power tracker
- Impedance tuner
- Aperture tuner
- Filters
- Extractors
- Multiplexers
- RF switches

Leading solutions designed to benefit the mobile ecosystem

From sleek 5G designs to long battery life and global band support to extended network coverage, RFFE is critical to the mobile experiences we expect from our devices today and for enabling future advances.