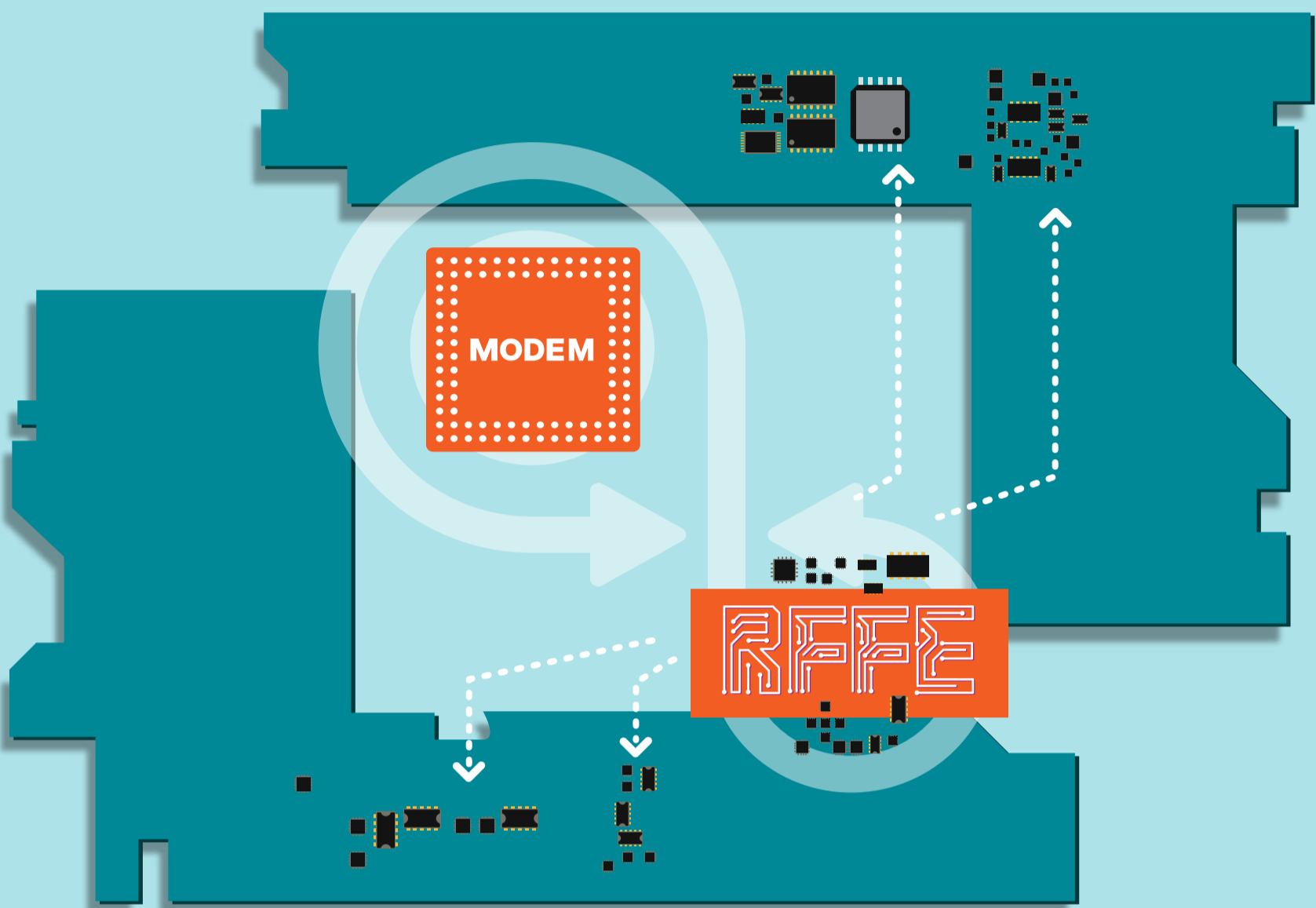


Qualcomm RF Front End

Comprehensive Mobile Platform From the Digital Modem to the Antenna

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 industry-leading mobile solutions that support groundbreaking technologies, such as Gigabit LTE, 4x4 MIMO, and LTE Advanced.



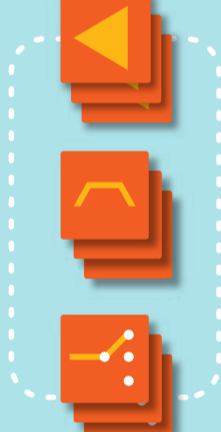
- Envelope tracker
- Diversity switch
- RF switches
- Average power tracker
- Power amplifiers
- Front-end modules
- Impedance tuner
- Filters
- DRX modules
- Aperture tuner
- Multiplexers
- Extractors

Platform to help OEMs deliver mobile devices at scale and on time

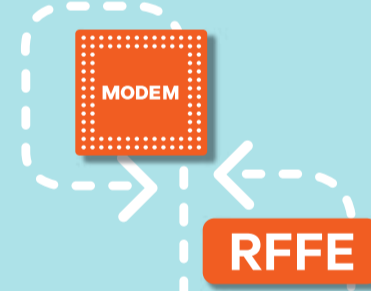
Comprehensive core set of RFFE technologies



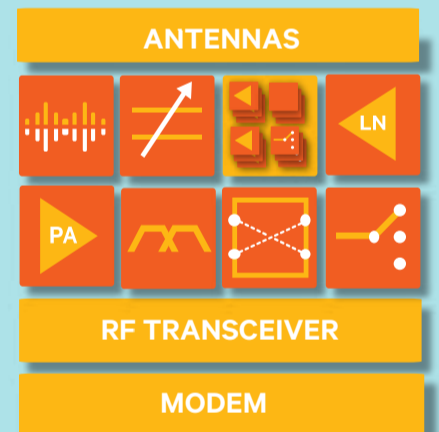
Advanced integration capabilities



Modem intelligence for system-level innovation



Modem-to-antenna solution



Leading solutions designed to benefit the mobile ecosystem

From sleek designs to long battery life – from Gigabit LTE to global band support, RFFE is critical to the mobile experiences we expect from our devices today and for enabling future advances.



OEMs

- High RF performance in all tiers
- Low design-in effort for global and regional devices
- Power-efficient devices
- Time to certification
- Time to launch



Consumers

- Fewer dropped calls*
- More consistent data, voice, and video experiences*
- Better indoor/outdoor coverage*
- Longer battery life*



Operators

- VoLTE link budget
- Handsets RF-optimized for CA deployments
- Better network coverage*
- Customer satisfaction through improved user experience

Learn more at qualcomm.com/rf

*Compared to the same test device without Qualcomm RFFE technology