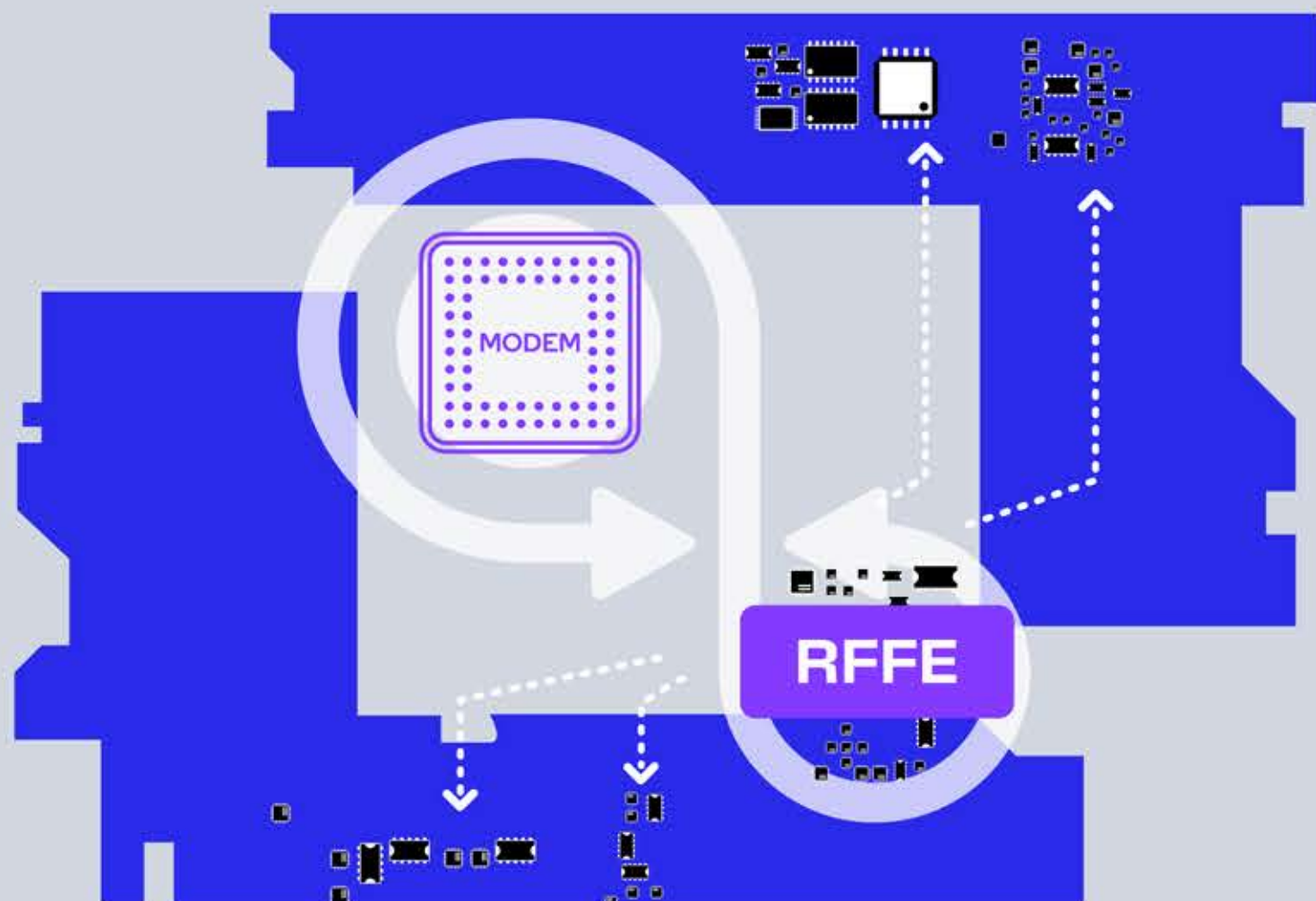


# Qualcomm® RF Front End

## Comprehensive Mobile Platform from the Digital Modem to the Antenna

RF Front End (RFFE) refers to a set of mobile device components that converts 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.

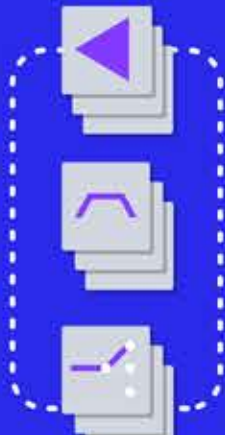


- Power amplifier modules
- Diversity modules
- Front-end modules
- Diversity switch
- Envelope tracker
- Average power tracker
- Impedance tuner
- Aperture tuner
- Filters
- Extractors
- Multiplexers
- RF switches

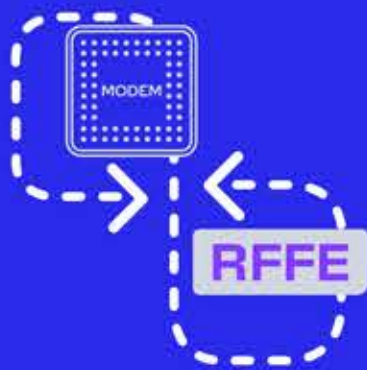
## Helps OEMs deliver mobile devices at scale, and on time



Comprehensive technologies



Advanced integration capabilities



Modem intelligence for system-level innovation



Modem-to-antenna solution

## 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.



### OEMs

Low design-in effort for global 5G multimode 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

Better network coverage\*  
Higher spectral efficiency and network capacity\*  
Customer satisfaction through improved user experience

Qualcomm

\*Compared to the same test device without Qualcomm RFFE technology, based on results from tests in test networks. Qualcomm RF Front End is a product of Qualcomm Technologies, Inc. and/or its subsidiaries. Qualcomm is a trademark or registered trademark of Qualcomm Incorporated.