

Five technologies iPhones use everyday

The six Qualcomm patents specified in Qualcomm's ITC filing cover technologies that play integral roles assuring both high-speed performance and prolonged battery life. Apple's iPhones employ these technologies – along with tens of thousands of additional patented technologies from Qualcomm – for media streaming, social media interaction, basic communications and much more to provide unparalleled performance.



US Patent No. 8,698,558

Extends battery life by building intelligence into the system so the antenna is always using just the right amount of battery power to transmit, whether it be video, text, or voice.



US Patent No. 8,633,936

Enables high performance and rich visual graphics for games while increasing a mobile device's battery life.



US Patent No. 9,608,675

Enables a mobile device to send high speed data such as live video from your phone by combining many lanes of traffic into a data super-highway while prolonging battery life.



US Patent No. 8,838,949

Enables "flashless boot" which allows your smartphone to connect to the internet quickly after being powered on, while extending battery life and reducing memory size.



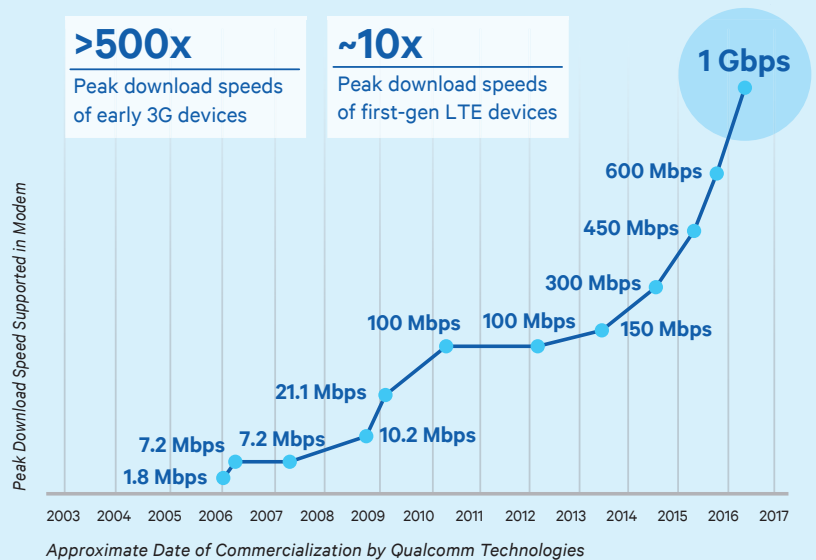
US Patent No. 9,535,490

Enables the applications on your smartphone to get their data to and from the internet quickly and efficiently by acting as a smart "traffic cop" between the apps processor and the modem.



A finely balanced mobile technology ecosystem

Qualcomm's R&D has produced inventions that power GPS navigation, mobile video, secure and seamless app store purchases, Wi-Fi connectivity, media streaming, the high-speed data transmission that makes it all possible and much more. But there are crucial if little-known breakthroughs like the technologies covered by the patents cited above that help make the rest of the inventions work in a hand-held, user-friendly device like the iPhone. Powerful mobile broadband itself consumes a lot of power, and it's the **finely engineered conservation of battery life that helped produce data transmission rates that climbed more than 2,500% over a decade and a half.**



Amping up connectivity without sacrificing battery life

Qualcomm's patented inventions give mobile-device users potentially power-hungry technological advances while allowing the technologies to be implemented in energy-conserving ways that also extend battery life.

Accelerating Performance

5G

Internet of Things Carrier Aggregation

Gigabit LTE Mobile Broadband

Video Coding Apps

4G Livestreaming Media **3G**

GPS Navigation



Battery Life

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