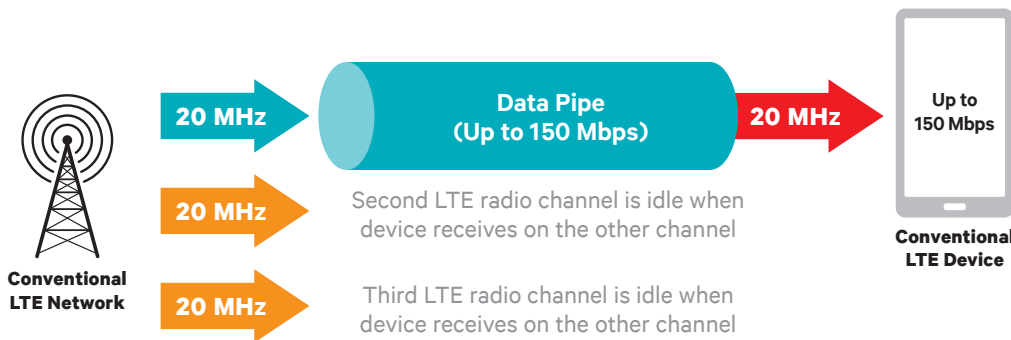


# LTE Advanced Carrier Aggregation supporting CAT6 data speeds of up to 300Mbps

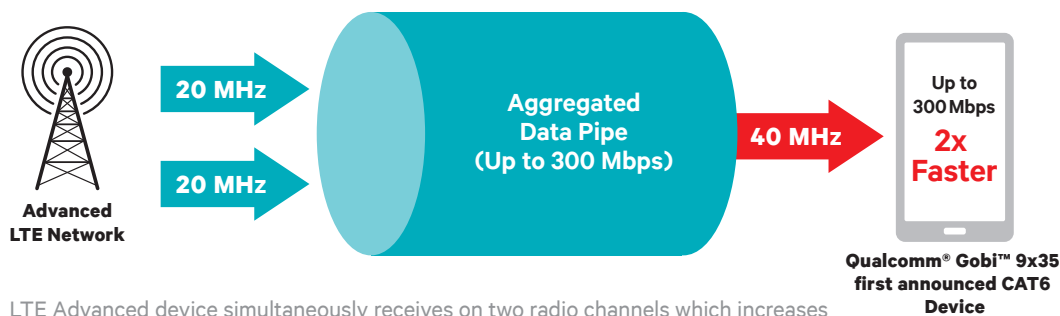
Qualcomm® Snapdragon™ 810 first announced chipset to support up to 3x20MHz Carrier Aggregation

## Conventional LTE Network: Single channel approach to data transfer



LTE device receives only on one radio channel with maximum data speed limited by radio channel bandwidth

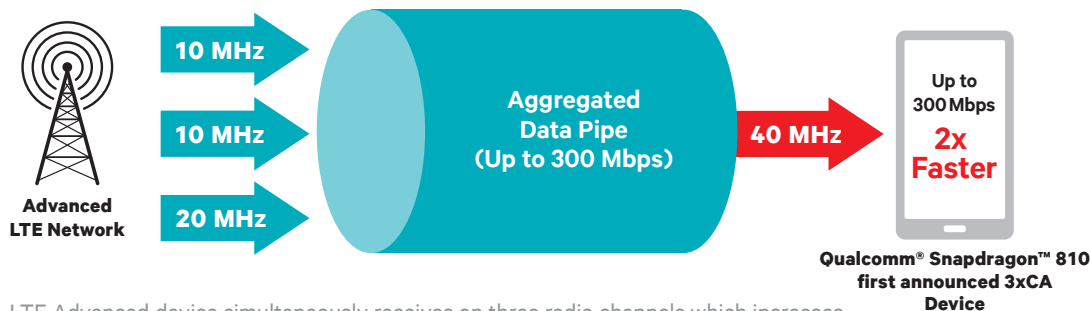
## LTE Advanced Network: 2x Carrier Aggregation CAT6 effectively doubles data rates



LTE Advanced device simultaneously receives on two radio channels which increases user data rates and reduces latency (faster network response time) as compared to conventional LTE devices

Typical TDD operator CAT 6 configuration

## LTE Advanced Network: 3x Carrier Aggregation CAT6 effectively doubles data rates



LTE Advanced device simultaneously receives on three radio channels which increases user data rates and reduces latency (faster network response time) as compared to conventional LTE devices

Typical FDD operator CAT 6 configuration

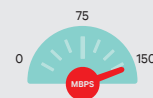
**101**

> 280 LTE networks are commercially launched in 101 countries as of March 2014\*



> 1563 LTE user devices announced by 154 suppliers and 3 devices support CAT6\*

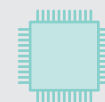
340 tri-band (1.8/2.6/0.8 GHz) LTE devices announced\*



> LTE CAT6 Networks require 40 MHz spectrum to achieve 300 Mbps peak data rates

## MAX CAT6

> For FDD operators without 40 MHz of spectrum in 2 bands, LTE Advanced enables maximum CAT6 data rates using 10+10+20 MHz



> Qualcomm® Snapdragon™ 810 processor and Qualcomm® Gobi™ 9x35 modem first announced LTE Advanced CAT6 carrier aggregation support

\* Source: GSA, March 2014