

Mobile changes everything



How we work

How we manage our health





Industry is shifting to mobile architecture

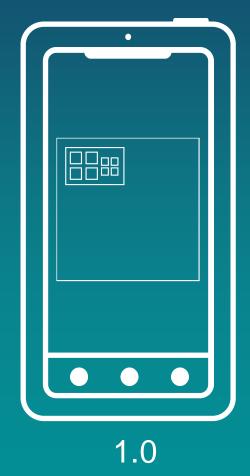


The PC Era
CPU-centric approach

The Mobile Era
Integrated technology

Smartphone 2.0: From specs to experience-based design

Specs





Experiences



2.0

Emerging region growth

~5.1B 3G/4G connections expected by 2018

>80%

Of handset shipments expected to be smartphones in 2017















ECOSYSTEMS EVOLVING TO MOBILE







Applying mobile technologies to everything

Making them more aware, connected, intelligent, and interactive













"Connected Infotainment"

Connected smarthome

Transforming the home experience



Connectivity (802.11ac and low power Wi-Fi)



Internet processor

Small cells





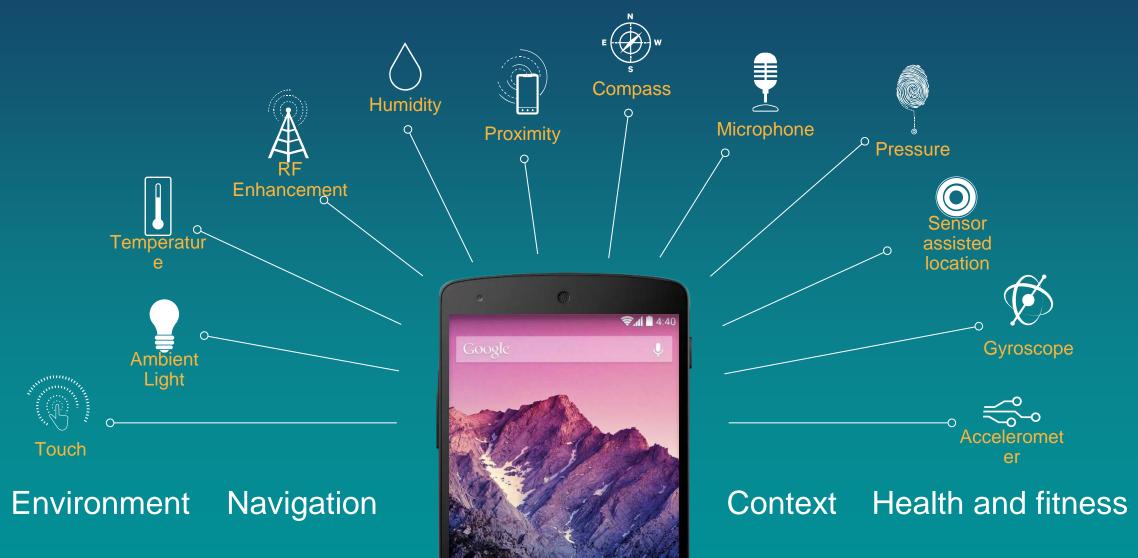
Expanding into smart energy Climate change and increasing energy costs drives urgency for solutions

CAGR estimated smart meter shipments between 2011-2016

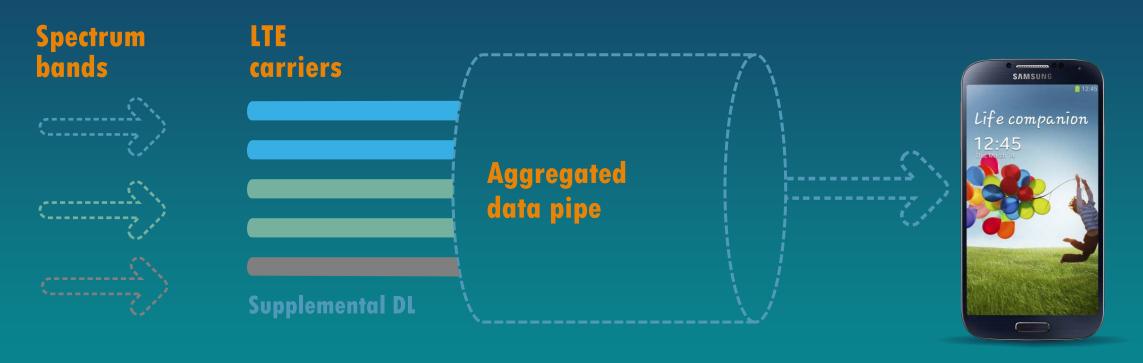


Source: IDC Mar '12

Evolution of integrated sensors



LTE-advanced carrier aggregation



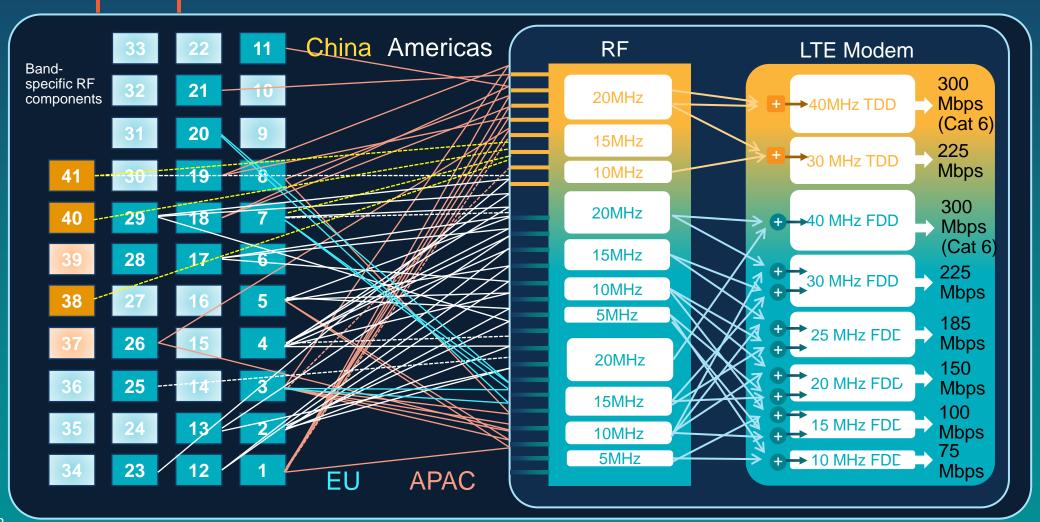
Utilizes all spectrum assets

Enhances user experience

Success requires management of increasing complexity __

FDD

Driven by global adoption of carrier aggregation



Global nature of LTE requires more than local solutions

Convetional RF solutions require several designs (SKUs) for the same phone

- Multiple Designs (several SKUs)
 - Multiple NRE
 - Fragmented BOM
 - More inventory

- Single design (single SKU)
 - Reduced NRE
 - Consolidated BOM
 - Less inventory



Single SKU helps increase the volume and reduce the costs to make LTE mainstream

Multimode, multiband devices benefit users and operators

Global roaming and backward compatibility

Seamless mobile data and

voice experience SKU simplicity and economies of scale



Fourth generation LTE

New Qualcomm® Gobi™ LTE Advanced modem and RF solution

Wired broadband performance, seamless mobility

Dynamically adapts for superior performance

2x faster* LTE Advanced to 300 Mbps

4th generation LTE modem

1st 20nm modem



One chip, all carrier aggregation combinations

Supports next gen LTE Advanced wideband CA

4th generation LTE transceiver

1st 28nm RF

~3x* more CA band combinations

Inherent LTE FDD/TDD interworking and seamless voice







LTE for data only

LTE TDD/FDD with 2G/3G multimode launched globally¹

Inherent seamless TDD/FDD interworking for data



Circuit switched fallback (CSFB) to 2G/3G voice launched globally (FDD and TDD)

Inherent seamless TDD/FDD interworking



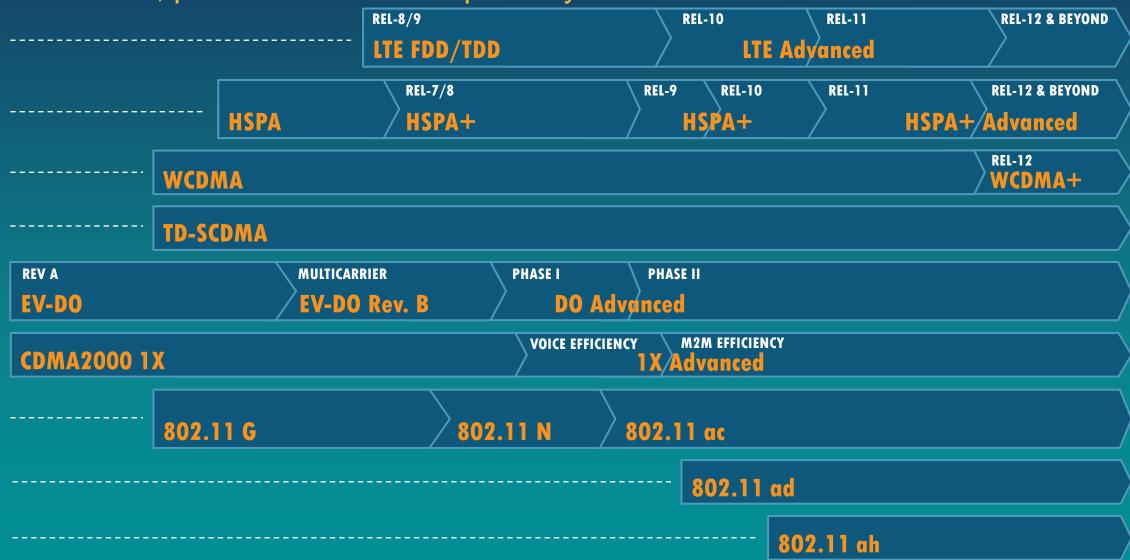
Coming: VoLTE with single radio voice call continuity (SRVCC) + CSFB to 2G/3G voice for roaming

Inherent seamless TDD/FDD interworking for VoLTE



Evolution of wireless connectivity

New features, plus backwards compatibility raises the bar



Industry taking the next step with LTE-Advanced

300 Mbps peak rate enabled by carrier aggregation is the gold standard for 2014

~100 Mbps
LTE CAT3

~150 Mbps
LTE-Advanced CAT4

~300 Mbps
LTE-Advanced CAT6

2011 - 2012 — 2013 — 2014 — Beyond



Mobile is key to bridging the digital divide in Latin America

Thank you

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