



# Connect

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**Peter Carson**

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Qualcomm Technologies, Inc.  
@qualcomm



# Globalizing the “wireless fiber” experience

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# Another step towards 5G

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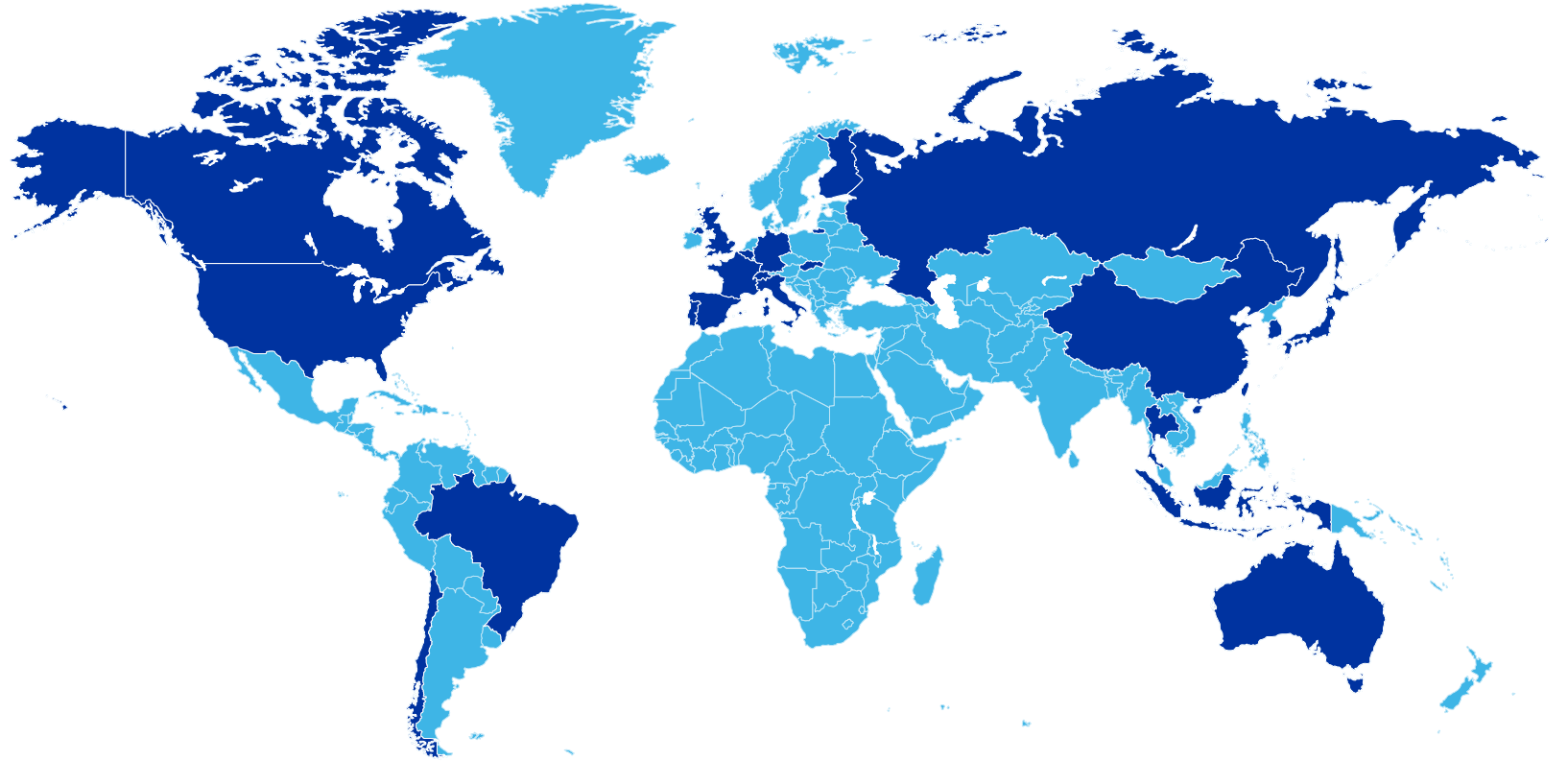
Expanding Gigabit connectivity  
for faster, smarter, richer  
mobile experiences everywhere

# The momentum for Gigabit LTE is growing



43 Operators

25 Countries



# The number of gigabit LTE devices is exploding

Gigabit LTE is the premium tier must-have feature



NETGEAR Nighthawk M1 (Telstra)



Wi-Fi Station N-01J (DoCoMo)



Speed Wi-Fi Next W04 (UQ, KDDI)



Pocket Wi-Fi 603HW (SoftBank)



Sony Xperia XZ Premium



Samsung Galaxy S8/S8+



HTC U11



Moto Z<sup>2</sup> Force Edition



Asus Zenfone 4 Pro



Samsung Galaxy S8 Active



Samsung Galaxy Note 8



Sharp Aquos R



LG V30



Sony Xperia XZ1

How do we get  
there faster?

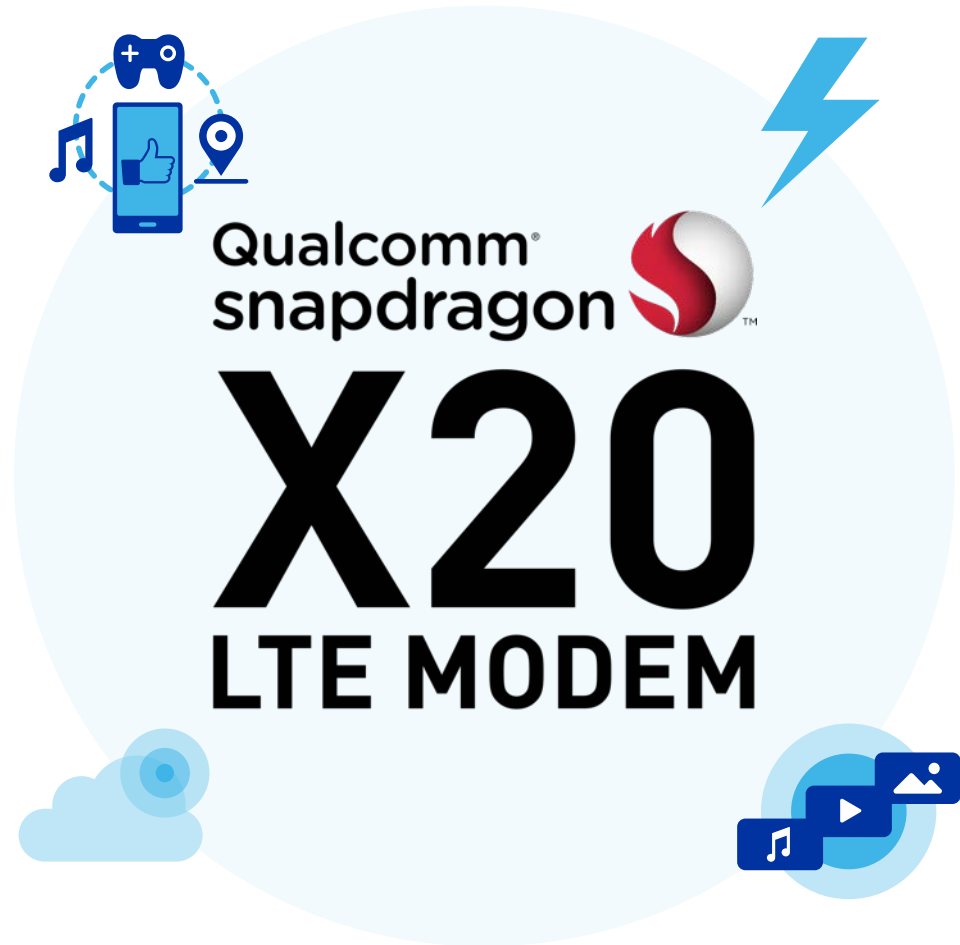
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# With our most advanced wireless feature set ever in a mobile platform

Our 2<sup>nd</sup> generation Gigabit LTE modem

Multi-gigabit Qualcomm® Wi-Fi

Qualcomm® TrueWireless™



# With 20% improvement\* in peak and real world speeds

\*Over Snapdragon X16 modem

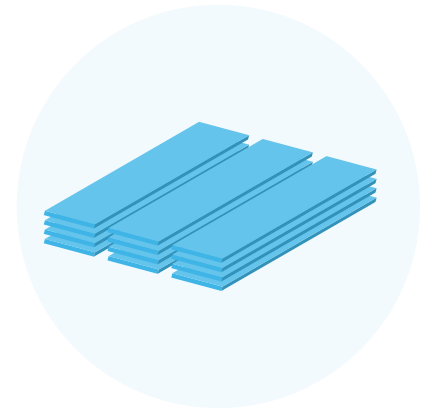


1.2 Gbps



5xCA  
4x4 MIMO

License Assisted Access (LAA)



12 Streams

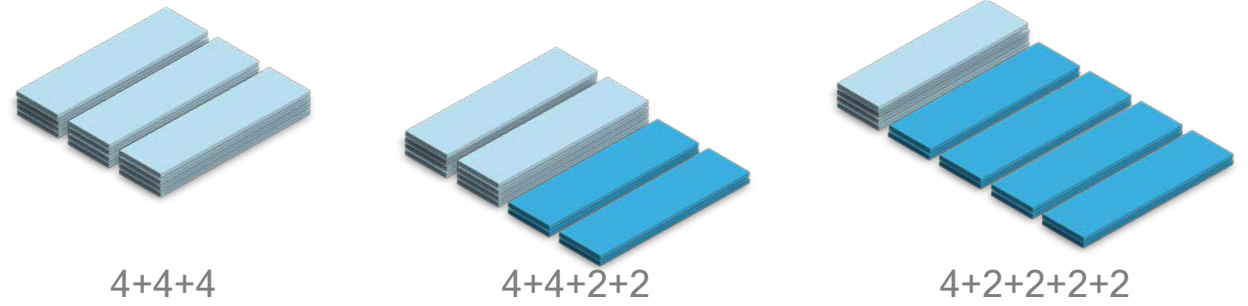


# With increased spectrum flexibility

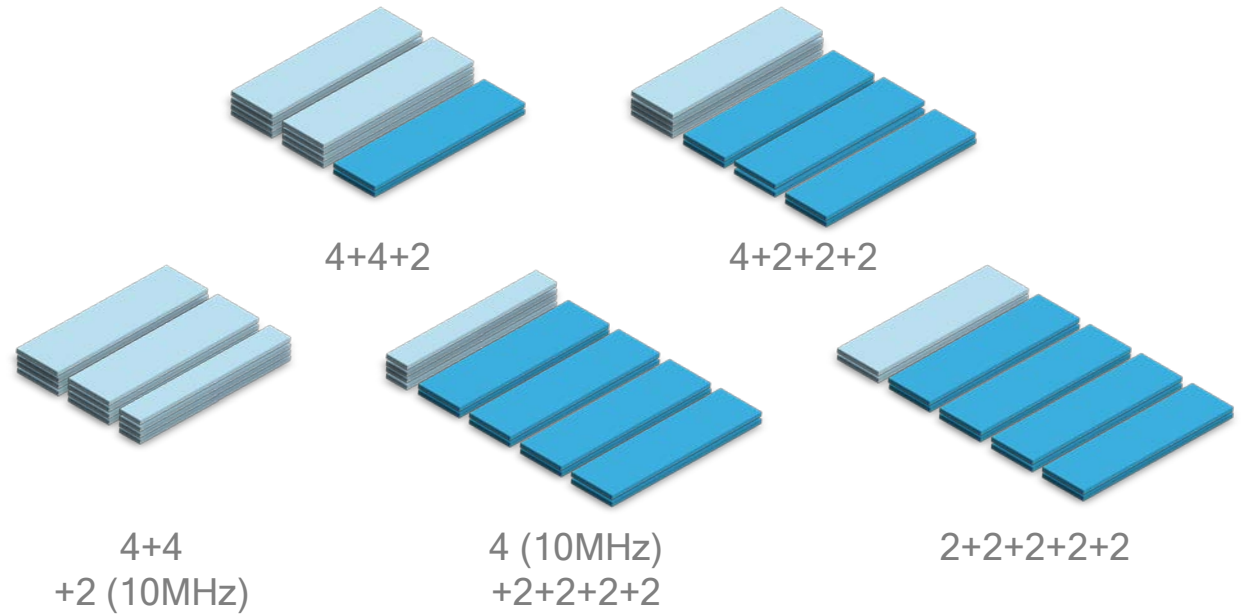
More licensed, unlicensed, shared spectrum configurations

Gigabit LTE with only 10 MHz licensed spectrum

Allows 90% of operators to deploy Gigabit LTE



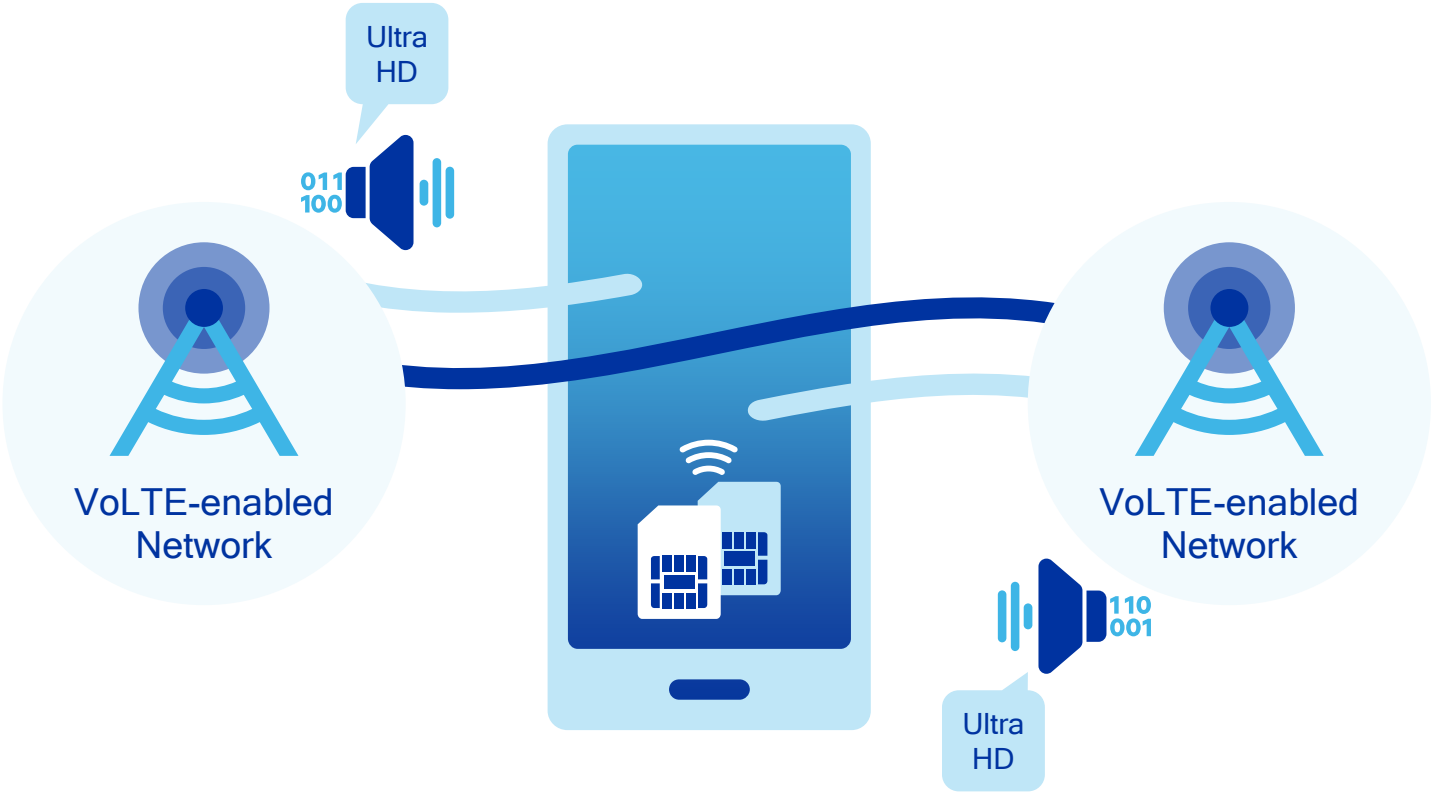
1.2 Gbps configs



1.0 Gbps configs

# Dual SIM Dual VoLTE: next-gen Dual SIM

No more limitation  
to 2G / 3G Voice



User can select either  
SIM for LTE data

Ultra HD/HD Voice  
on either SIM

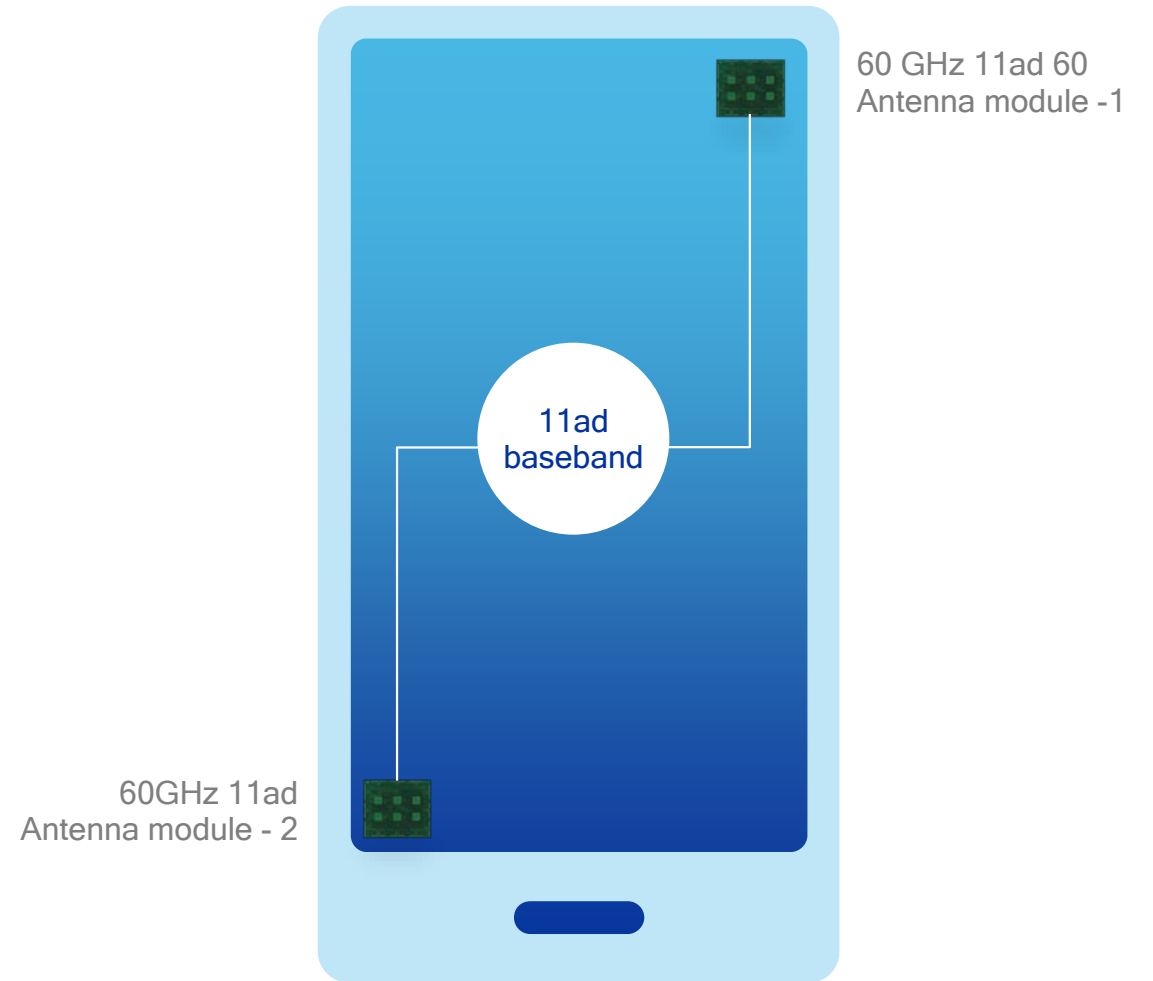
Formidably complex  
dual-IMS technology

# Enhanced multi-Gigabit Wi-Fi in Snapdragon 845

Multi-Gigabit speed

60 GHz diversity Antenna Modules

Robust hand-held performance

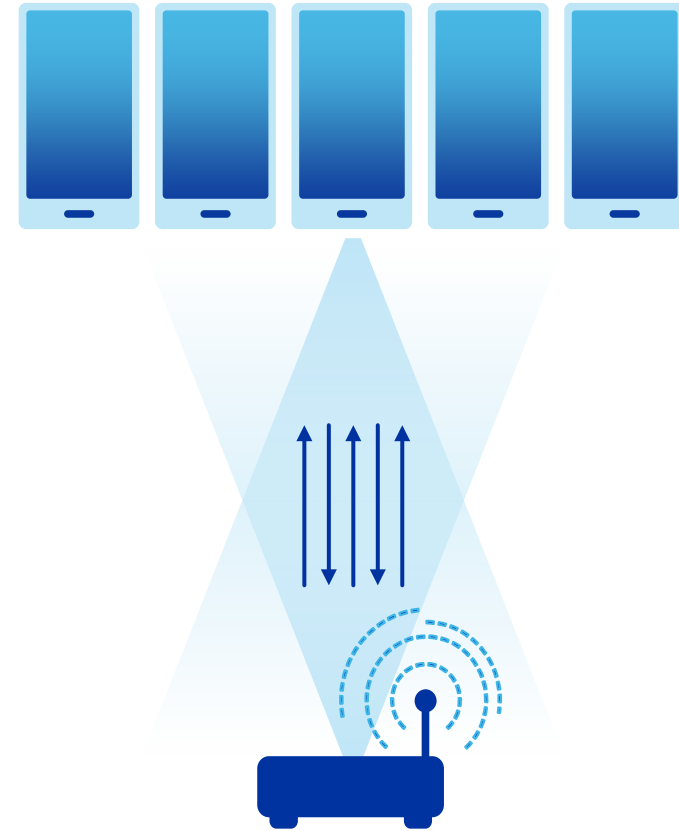


# Advanced 11ac Wi-Fi: for crowded carrier networks

Higher reliability, faster roaming  
and better user experience

**16X**  
faster connection set-up

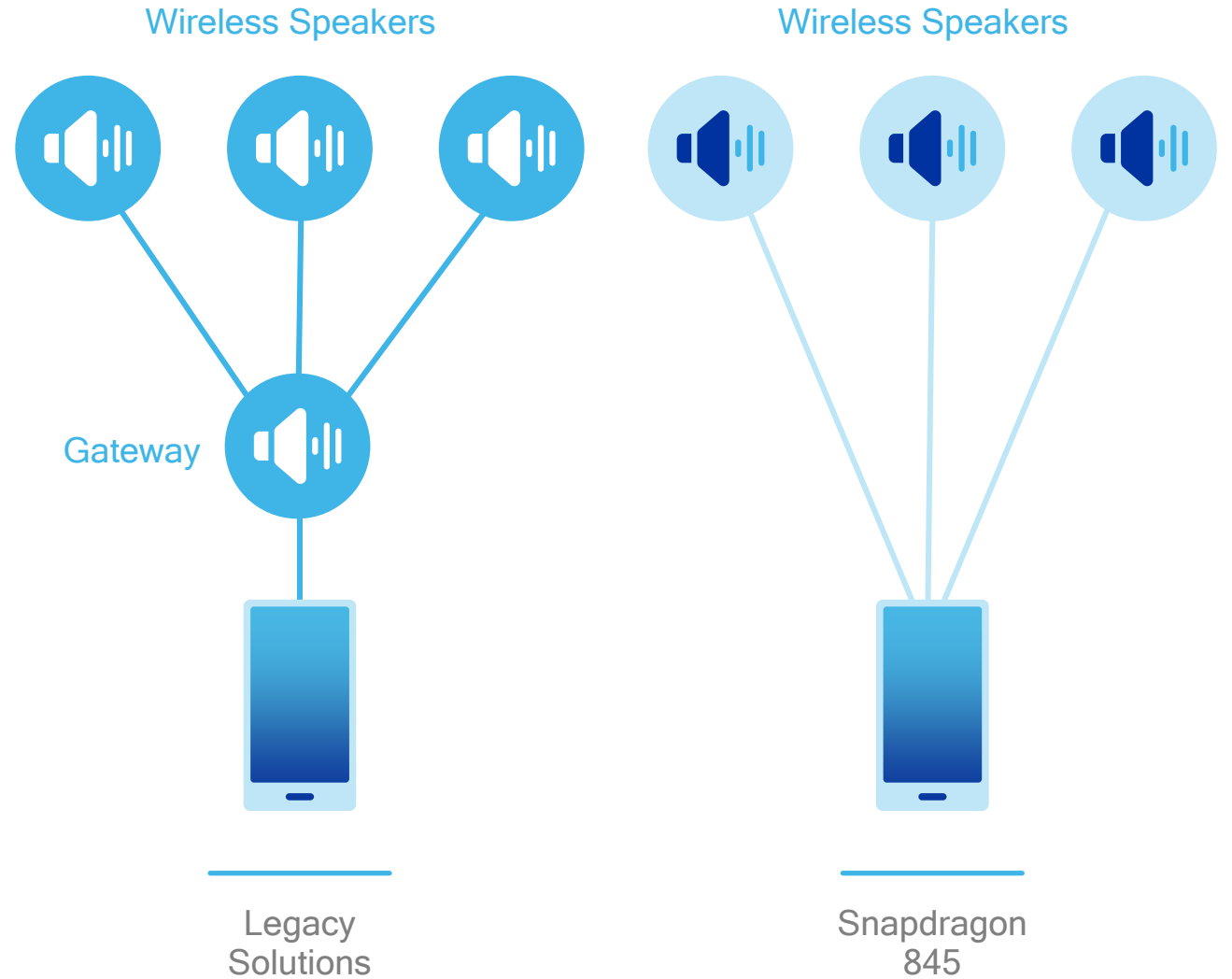
**30%**  
more efficient - increases effective capacity



Reduced connection set-up signaling  
Broadcast response probe

# Advanced Bluetooth: Qualcomm® TrueWireless™

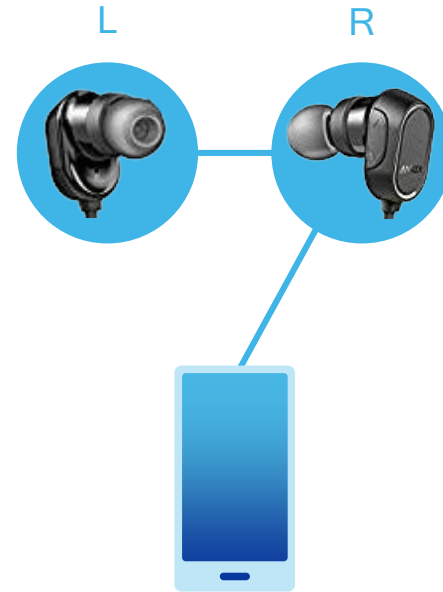
Broadcast music or live audio directly to  
multiple devices



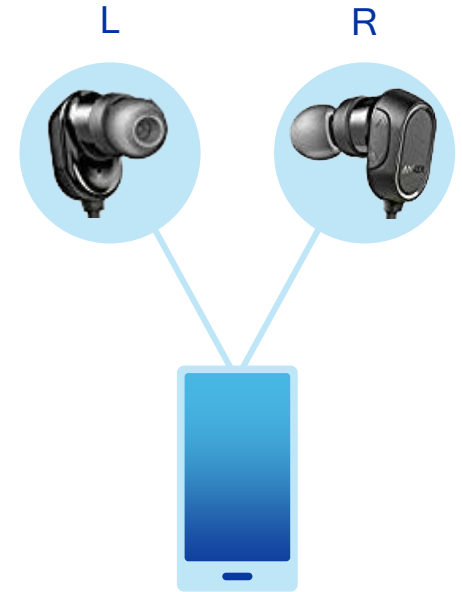
# Advanced Bluetooth: Qualcomm® TrueWireless™

Broadcast music or live audio directly to  
multiple devices

Wireless earbuds  
Up to 50% lower power consumption\*



Legacy  
Solutions



Snapdragon  
845

\*As compared to previous generation

# Connect Highlights

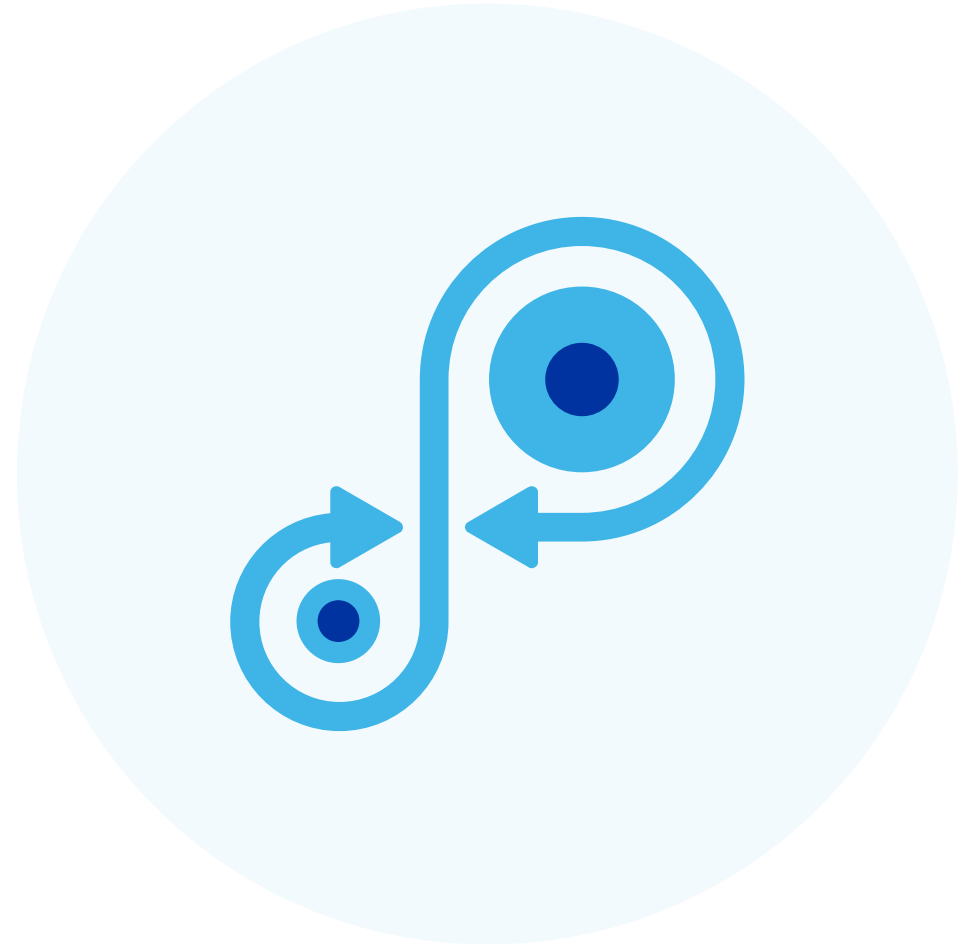
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“Wireless fiber” experience in more places - one step closer to 5G

2<sup>nd</sup> gen Gigabit LTE - 20% faster, globally accelerated

More robust Wi-Fi performance up to multi-Gigabit 11ad

Snapdragon 845: our most advanced connectivity in a smartphone, ever.



# Thank you

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