



Spectrum Strategy for 4G, 5G and Beyond

Introduction

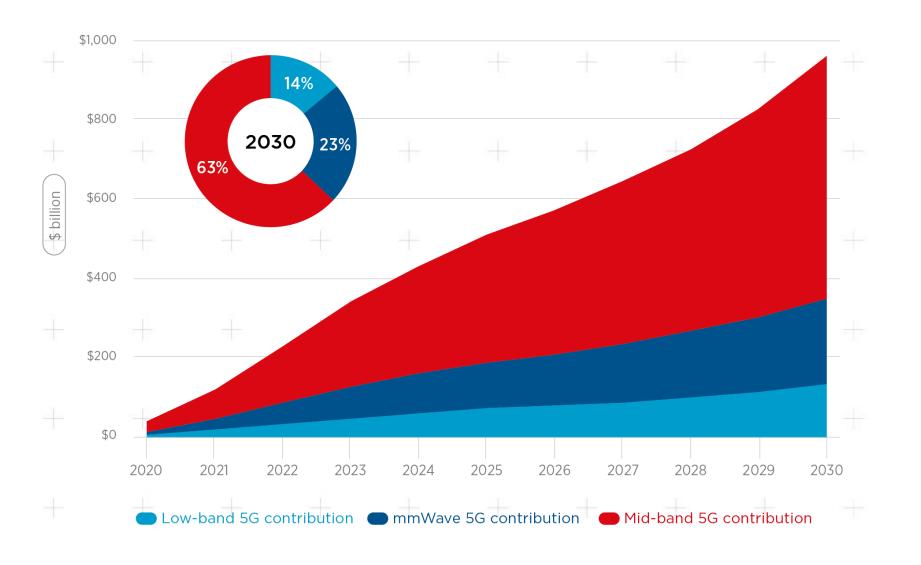
Luciana Camargos

Head of Spectrum (A), GSMA



Economic Power of 5G





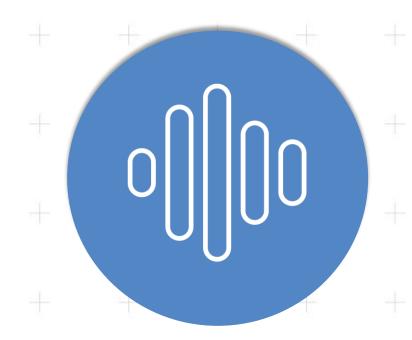
WILL IMPACT GLOBAL ECONOMY IN 2030 BY

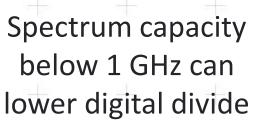
\$961BN

The Socio-Economic Benefits of Mid-band 5G GSMA Intelligence 2022



Digital Inclusion in a 5G Era







Affordable 5G will support achievement of social goals and enhance digital inclusion



Sub-1 GHz spectrum will support improved capacity in rural areas



Affordable Rural Connectivity



Additional 600 MHz Bandwidth Reduction in Number of Base Stations



2 x 10 MHz

21%



33%

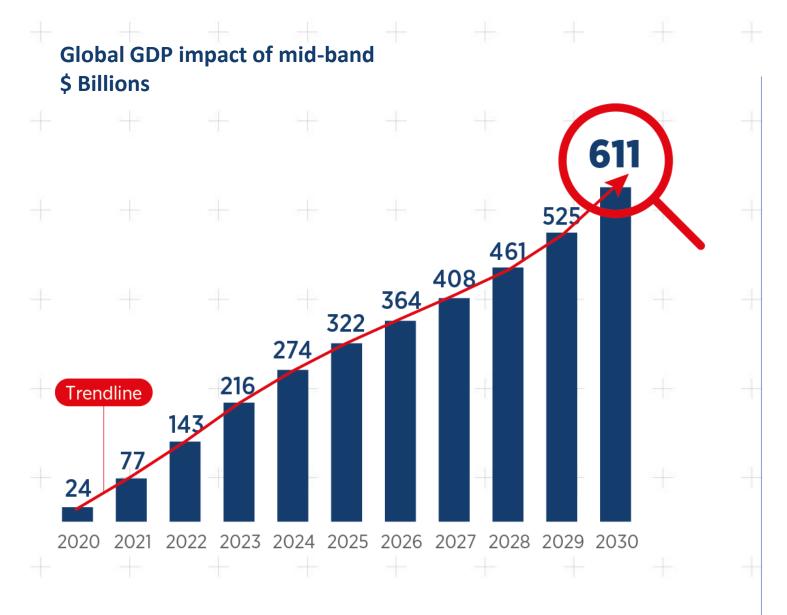


Low-Band Capacity =
Affordable Rural
Connectivity



Impact of Mid-Band Spectrum

Mid-Band Spectrum will deliver \$610bn of 5G's GDP impact in 2030 - 65% of total



Constrained Scenario:
40% loss to global GDP impact if mid-band is reduced





5G to Enable All Markets

