

WWRF Huddle

September 2025

GSMA™

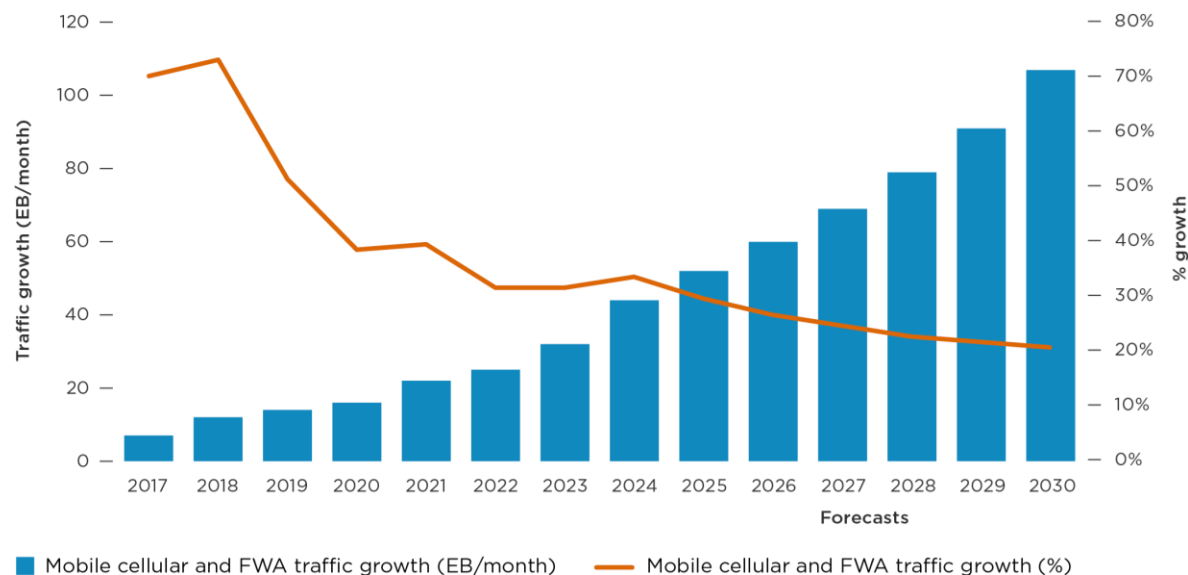
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When Does Growth Cease to be a Concern?

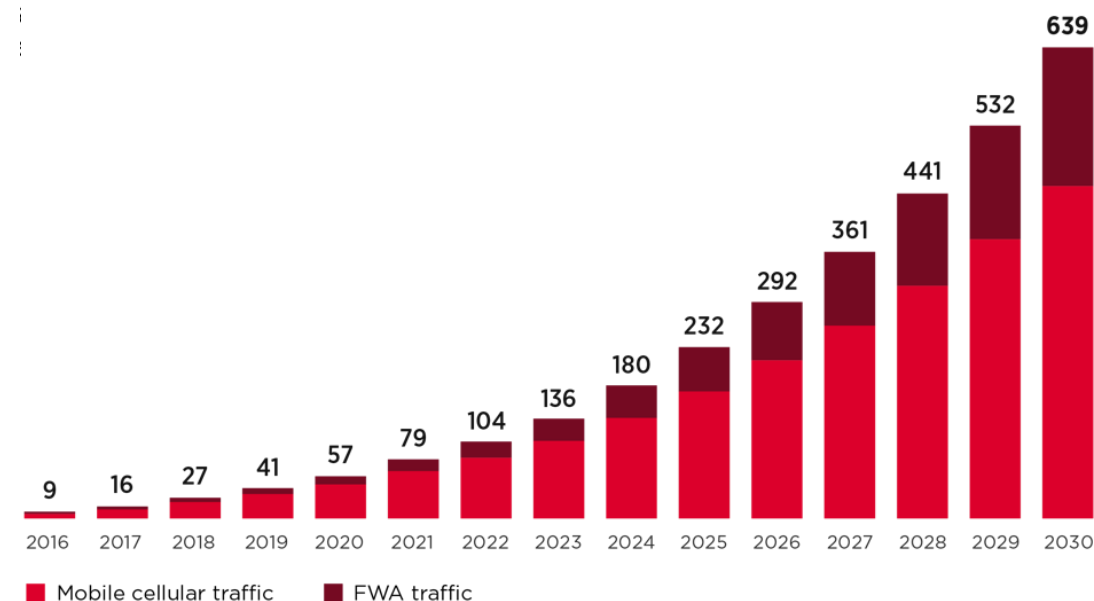
1 Global mobile cellular and FWA traffic year-on-year **growth** EB per month



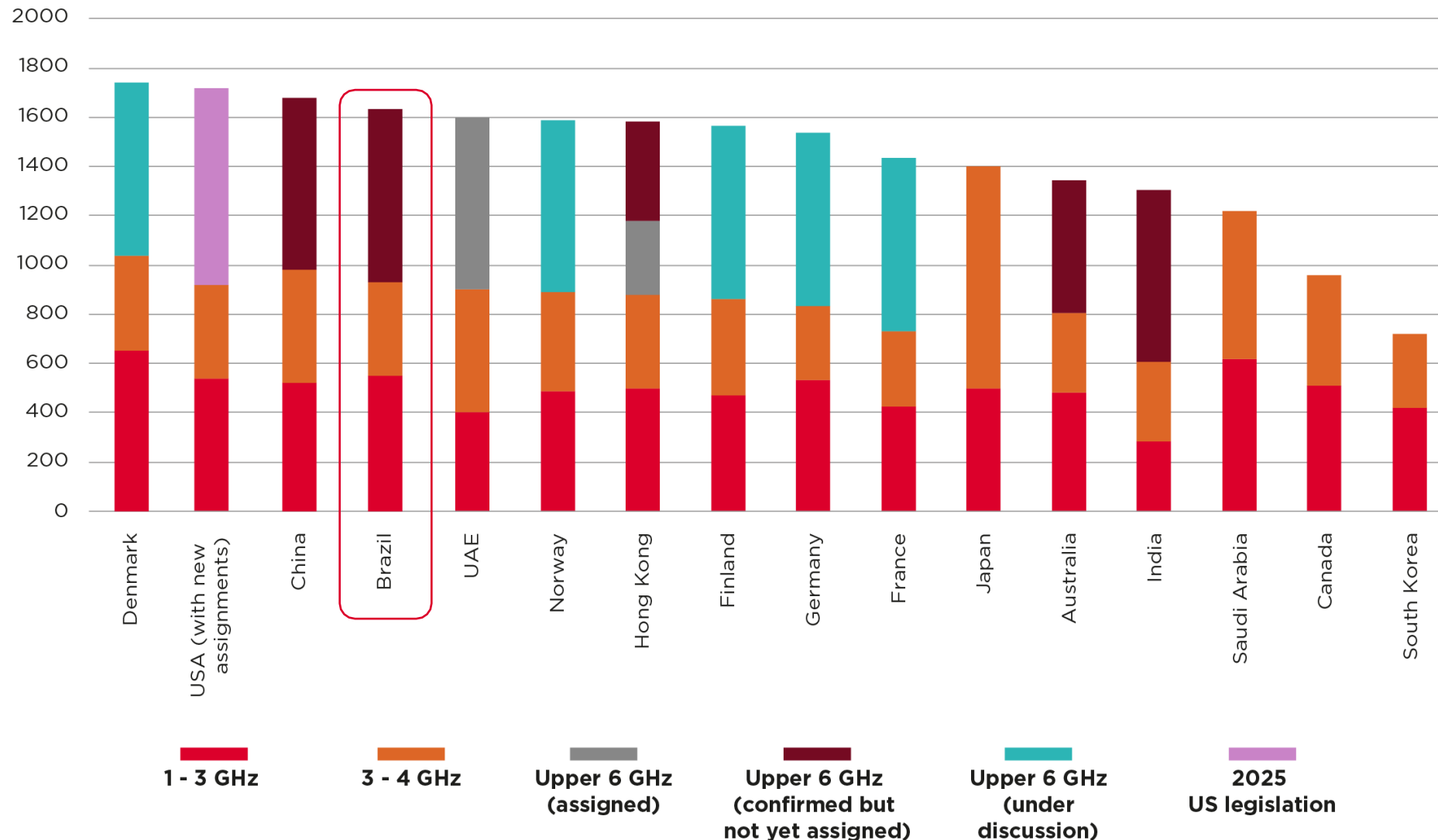
Source: GSMA Intelligence and Ericsson

Note: Mobile cellular traffic growth is sourced from GSMA Intelligence. FWA traffic growth is sourced from Ericsson Mobility Report, 2024. Cellular IoT traffic is not included in the analysis.

2 Global mobile cellular and FWA traffic year-on-year **traffic** EB per month



Progress on Spectrum is Already Being Made

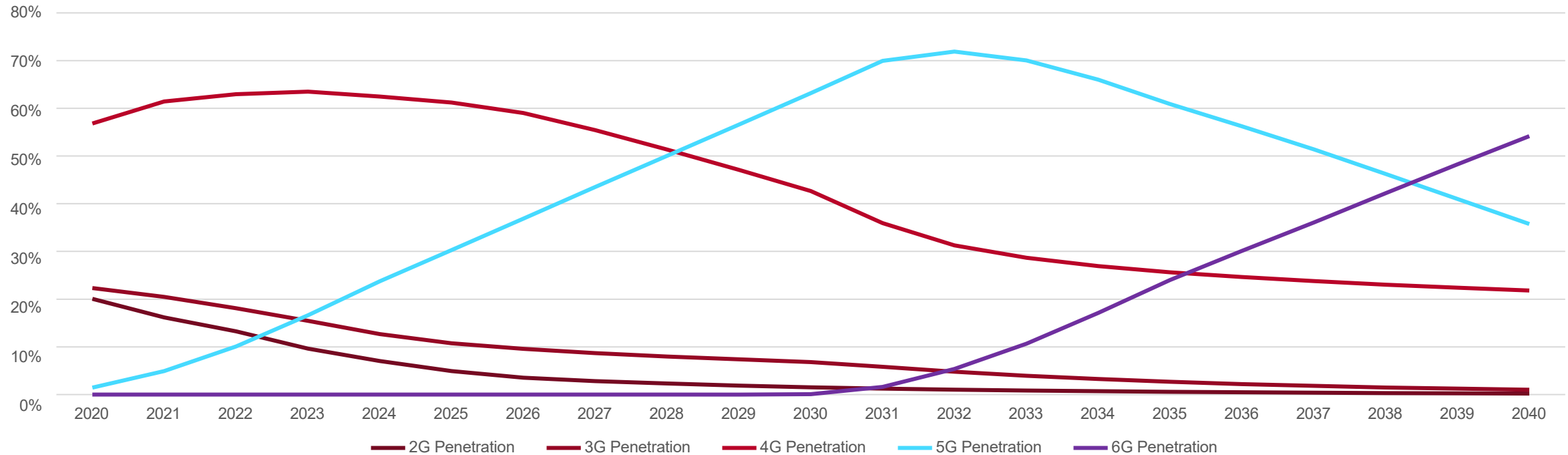


- European figures show maximum possible 6 GHz assignment of 700 MHz being considered by RSPG; minimum assignment being considered is 380 MHz

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Forecasting 6G Adoption

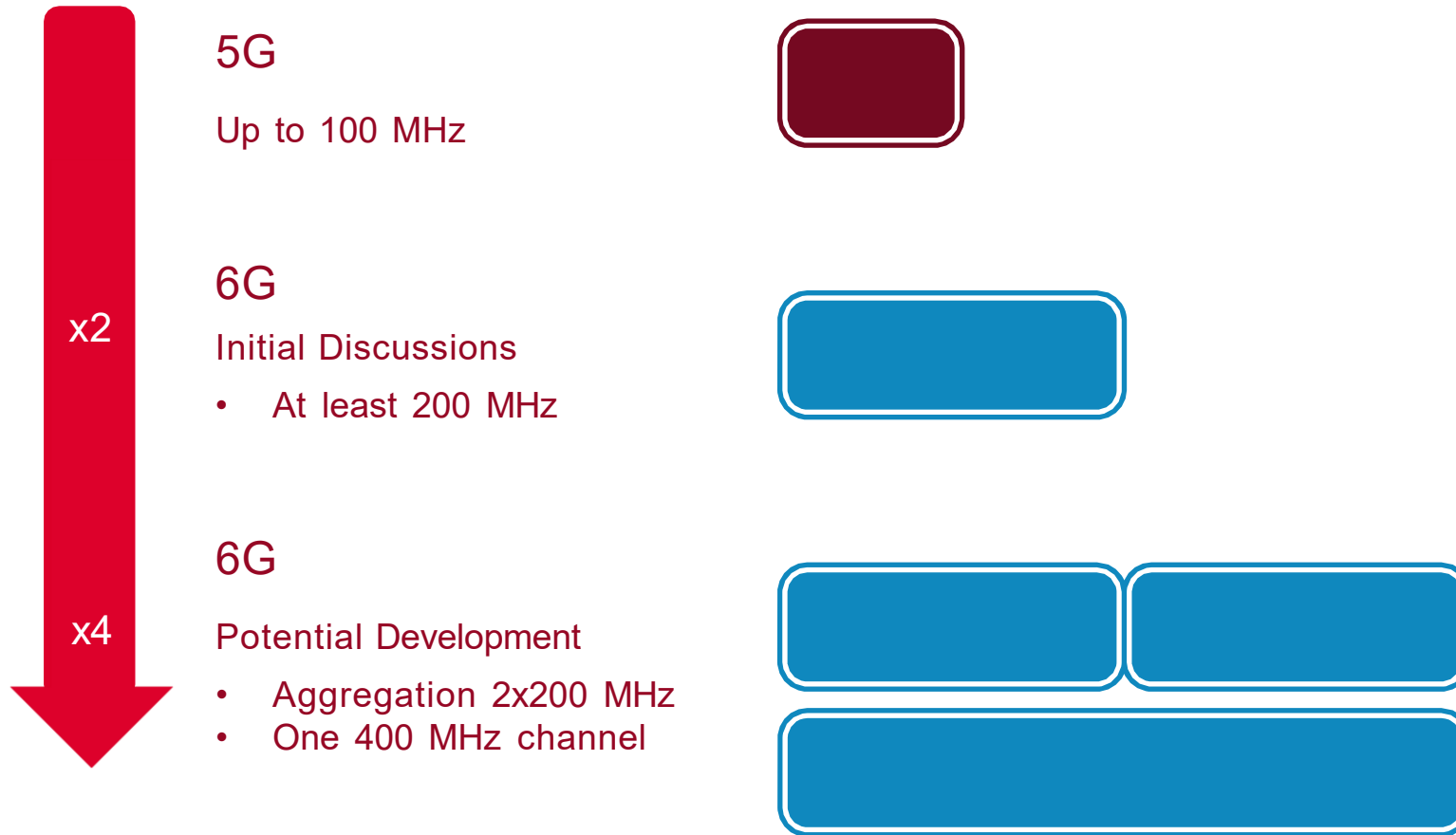
Market penetration by technology, 2020-2040



Source: GSMA Intelligence

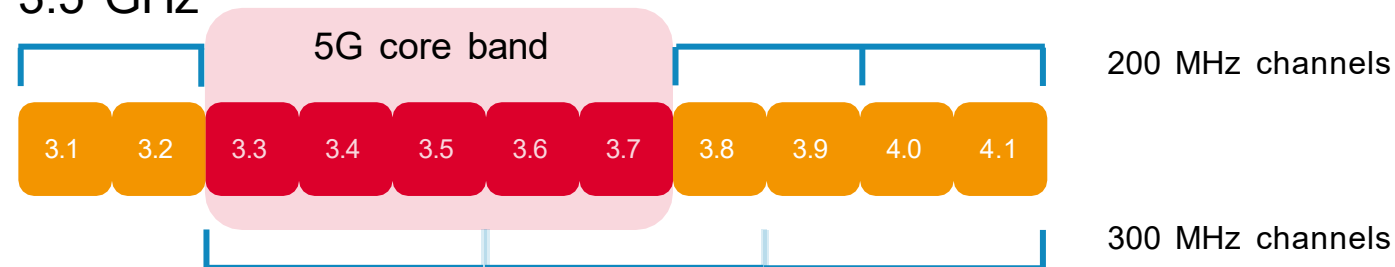
- 6G networks are expected to be deployed from around 2030 onwards
- Significant initial roll-outs forecast from China, Europe, GCC region, India, Japan, South Korea, USA, Vietnam, etc.
- The number of 6G connections could reach more than 5 billion by 2040, accounting for half of all mobile connections.
- 4G and especially 5G will remain important as 6G develops

Future of Channel Bandwidth?

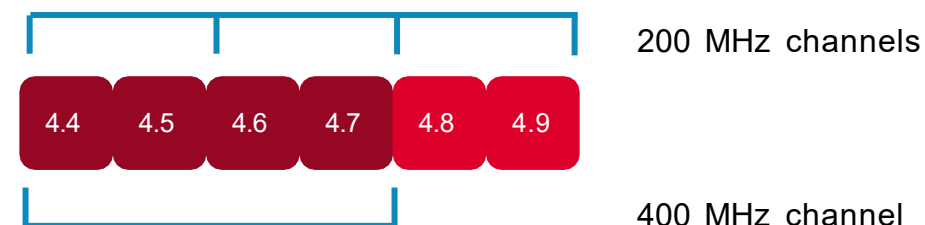


- Each new generation has used channel sizes four times their predecessor
- June 2025 - 3GPP agreed to work on at least 200 MHz channels for Release 20

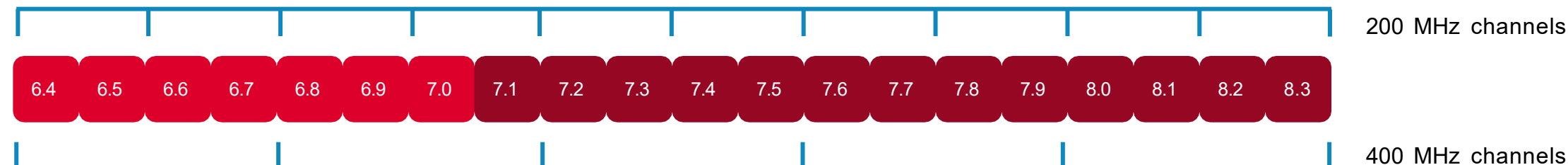
3.5 GHz



4.5 GHz



6-8 GHz



1. How do we enable full-power mobile
2. What sharing is possible?
3. Where are the 200-400 MHz channels?

*“By agreeing on a way forward on 6G, ITU Member States have taken an important step toward ensuring that technical progress is synonymous with **affordability, security, and resilience** — supporting sustainable development and digital transformation everywhere.”*

Doreen Bogdan-Martin, Secretary General, ITU

STRONG SPECTRUM STRATEGY CAN UNDERPIN AN ERA OF DIGITAL DEVELOPMENT BUT PLANNING FOR FUTURE TECHNOLOGIES IS ESSENTIAL





For the benefit of possibilities

Mobile has the power to change lives.

Digital technologies create human connections, allowing us to expand our networks and open up opportunities in both business and pleasure.

Mobile is the key to unlocking possibilities the world over.

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