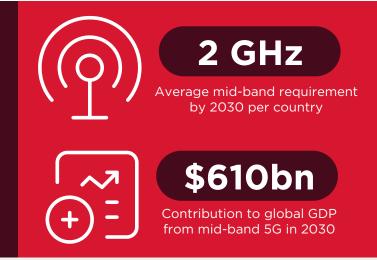
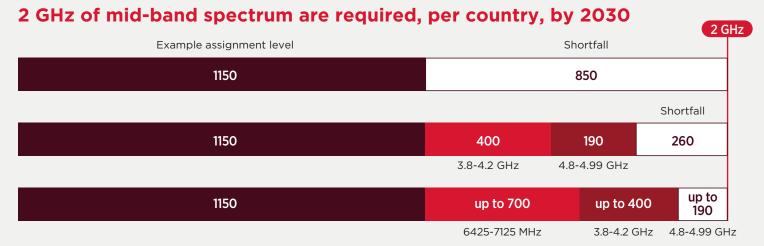


6 GHz: 5G's Future

6 GHz IMT will expand capacity and deliver connection speeds to launch a new era of mobile productivity. The enablement effect of mobile communications on the race to net zero can be enhanced by gigabit experiences delivered with lower carbon emissions through minimal densification.

6 GHz IMT can play a vital role in sustainable social, economic and industrial development.





Reaching this is challenging without 6 GHz capacity

6 GHz ecosystem: no barriers exist from



Network vendors



Chipset developers



Radio front-end suppliers



Device manufacturers

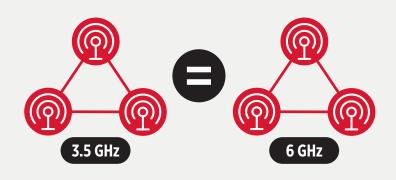


Mobile network operators

Same grid - lower carbon

6 GHz IMT can use the same grid network as 3.5 GHz 5G launches. This reduces carbon from base station manufacture and reduces grid electricity.

Technical specifications and e.i.r.p. limits are crucial to ensure 6 GHz connectivity can deliver the positive enablement effect of mobile on climate change.



6 GHz trials









Regional breakdown of the GDP contribution (%) generated by mid-band 5G in 2030



Projected global contribution of mid-band 5G spectrum to GDP, by use case

