

Harmonisation of 3.5 GHz



The 3.5 GHz range

The 3.5 GHz range (3.3-4.2 GHz) has been widely used as a 5G launch band due to its robust capacity and city-wide coverage. WRC-23 can allow broad harmonisation of the band 3.3-3.8 GHz, enabling worldwide access to the 5G launch band.



3.5 GHz gaining momentum

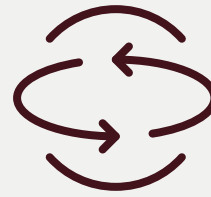
There have been new 3.5 GHz assignments in over 80 countries.

Harmonised 3.5 GHz will lead to positive impact



MNO

Increased channel bandwidth will **lower network density** and opex costs



Mobile ecosystem

Carbon footprint of network will decrease through **lower energy use** and **less infrastructure**



Productivity

Consumers can benefit from the **scale** of the biggest 5g ecosystem and **device affordability**



Wider economy

Better services delivered to **more people** will **lower the usage gap**



2 GHz

Average mid-band requirement by 2030 per country



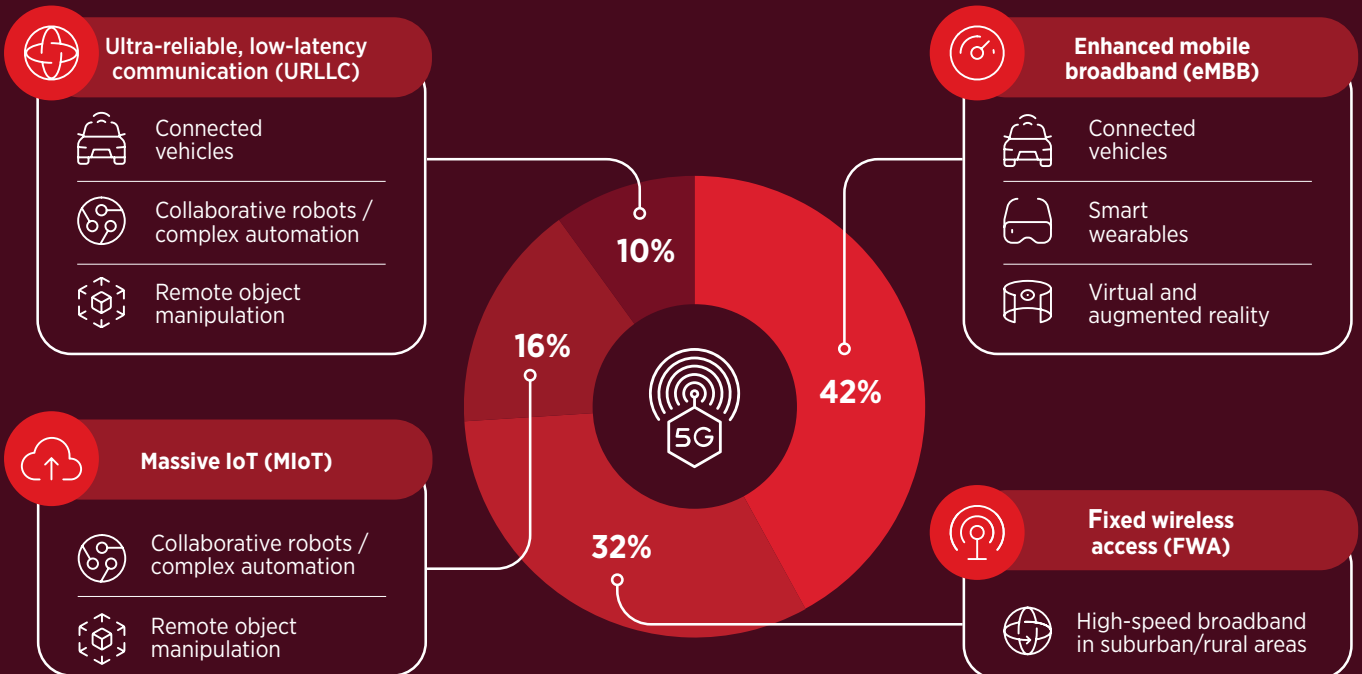
\$610bn

Contribution to global GDP from mid-band 5G in 2030

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



→ All data and further analysis found at: www.gsma.com/spectrum/resources/3-5-ghz-range-for-5g/

→ Read more about WRC-23 here: www.gsma.com/spectrum/wrc-series/

