



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.



3.5 GHz dominates 5G rollouts

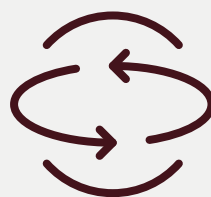
Of the 311 operators that had launched 5G services by the end of Q3 2024, 233 operators deployed their networks using 3.5 GHz, representing 75% of total launches.

The further harmonisation of 3.5 GHz lets more countries to benefit from:



MNO

Increased channel bandwidth will **lower network density** and opex costs¹



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

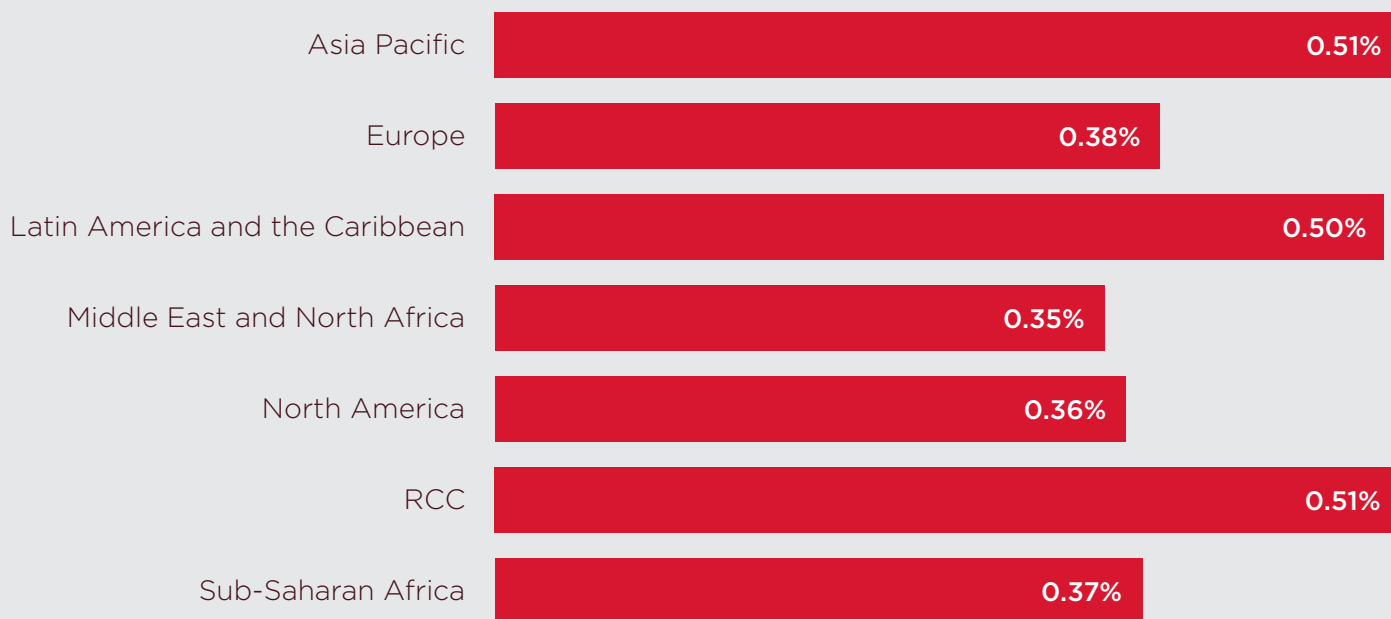
Average mid-band requirement by 2030 per country



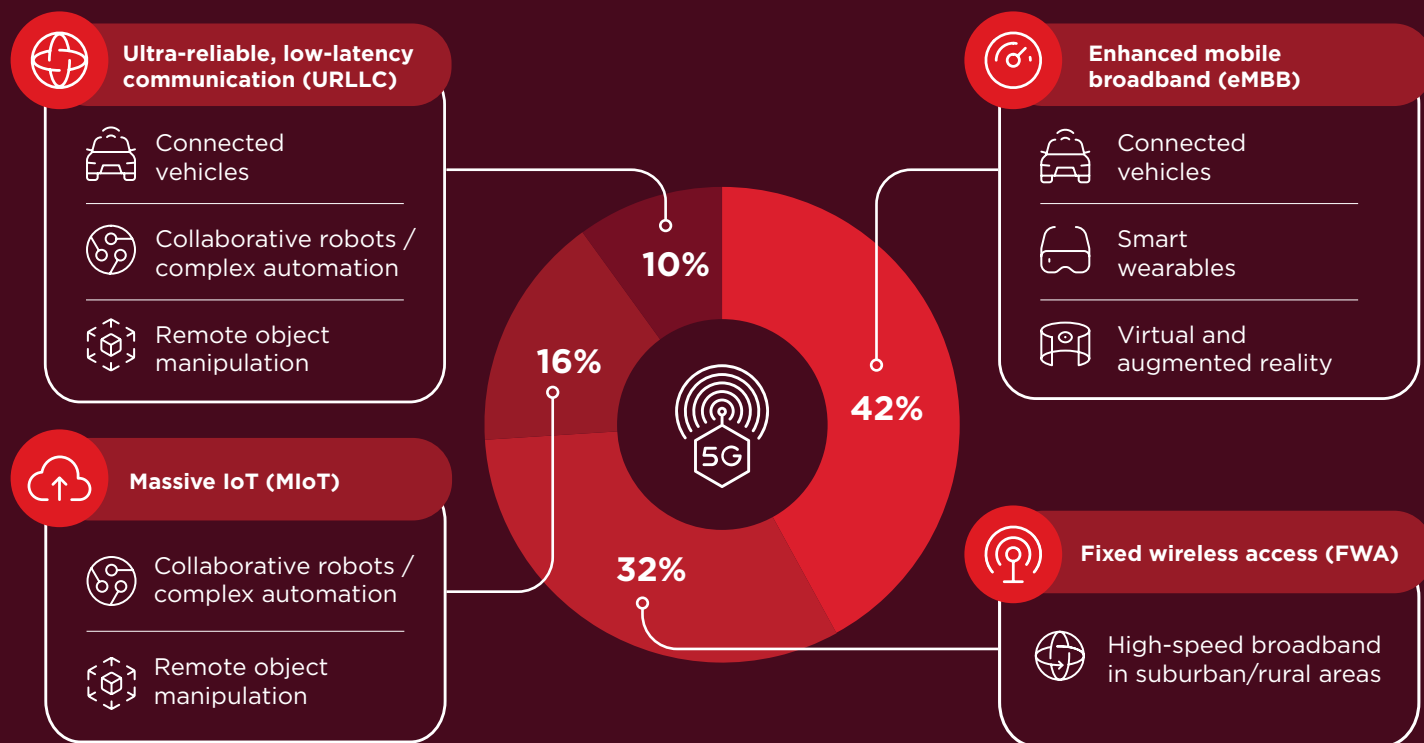
\$610bn

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/



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