GSMA

Spectrum Evolution in India

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GSMA

38%

Of the world's population live within the footprint of a mobile broadband network but are not using it

50%

The usage gap in India

5%

Of the global population is not covered by mobile broadband

1%

The coverage gap in India

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WRC-23 delivered…

6 GHz

- IMT throughout EMEA and CIS
- IMT country footnotes for APAC and Americas

3.5 GHz

- Harmonisation throughout EMEA, CIS and the Americas

Low Bands

- IMT throughout Middle East in 600 MHz
- Mobile allocations in Europe and parts of Africa

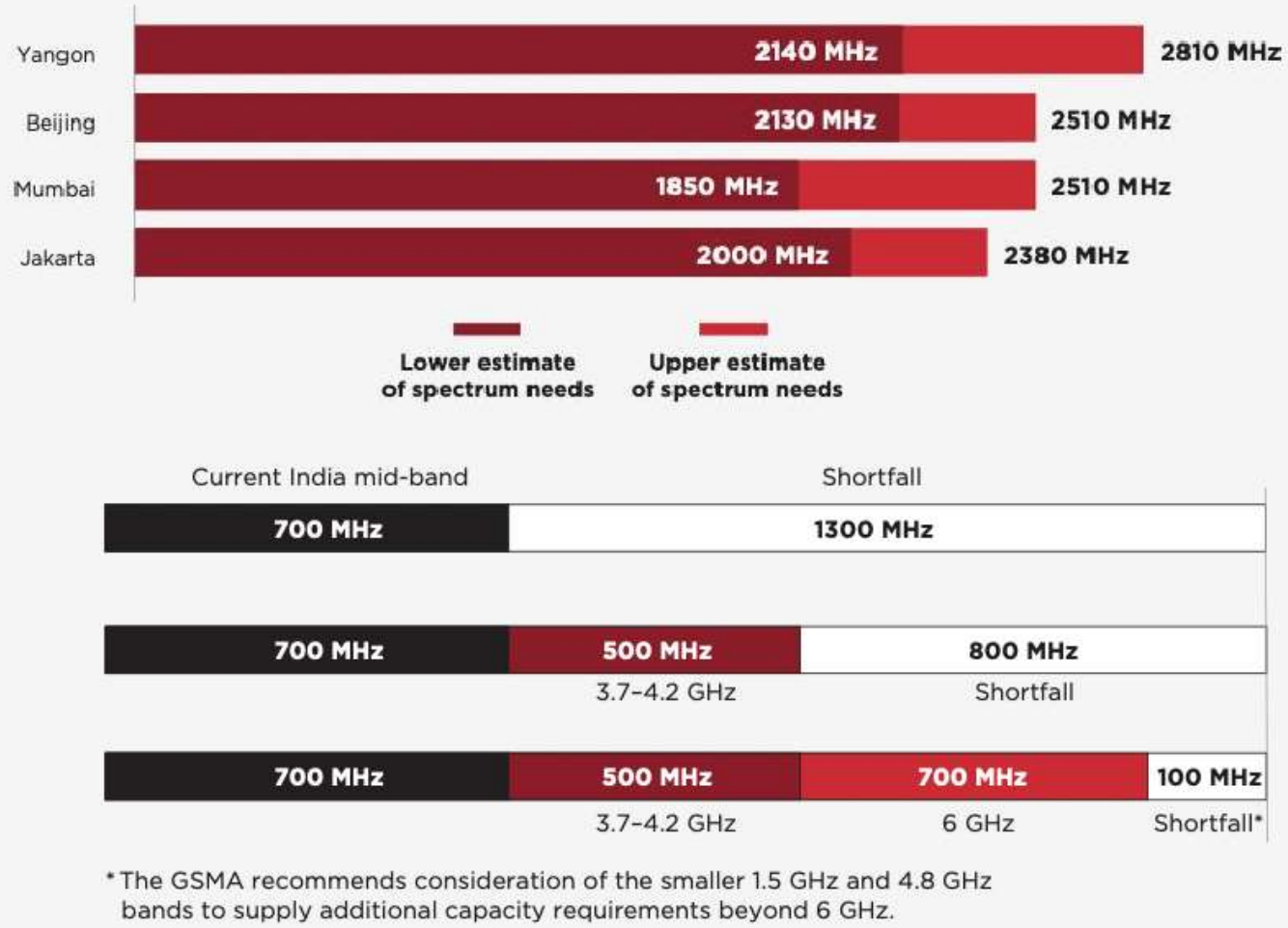
But not for India…

7.025-7.125 GHz only

No new harmonisation

Not on agenda

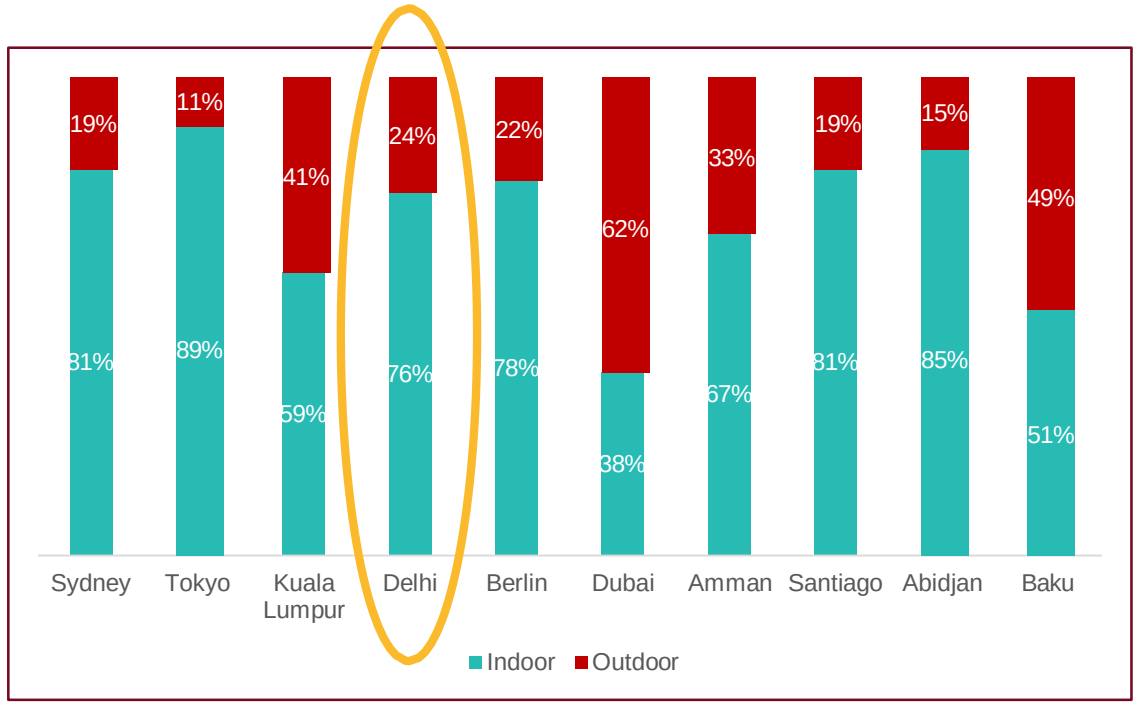
2 GHz average mid-band needs



- Globally, an average of 2 GHz of mid-band spectrum is required per market by 2030
- India's needs are above average and 6 GHz is crucial
- WRC-27 can further harmonise 6 GHz spectrum

Mobile: indoors and outdoors

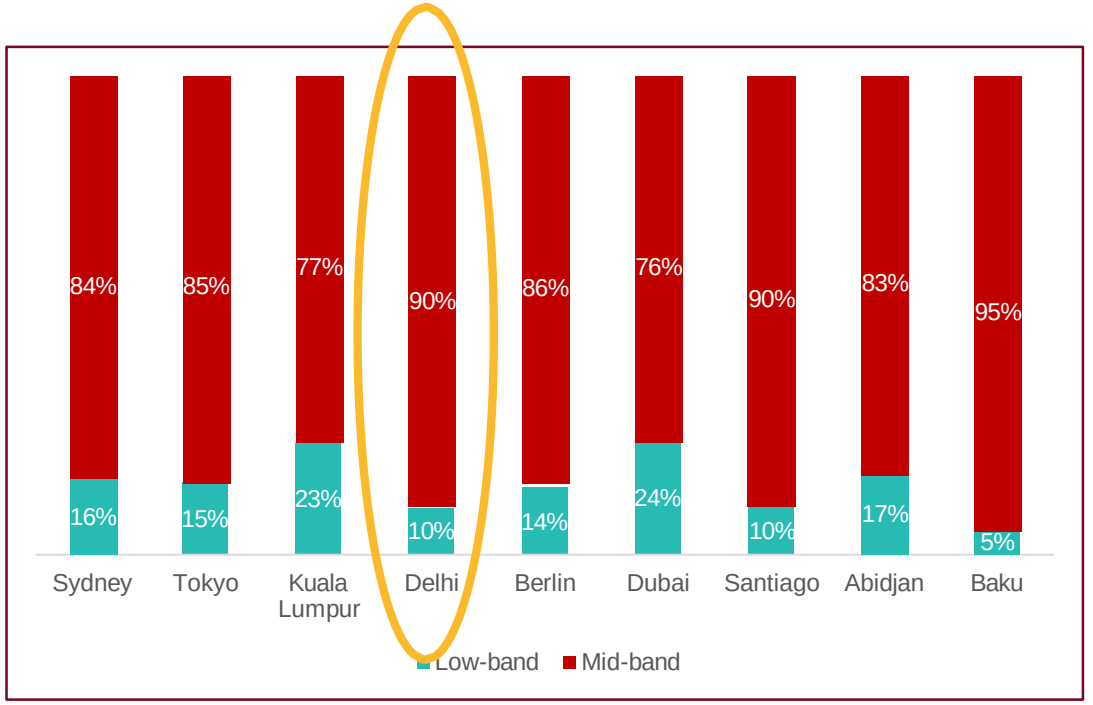
1. Mobile is indoors as well as outdoors



Distribution of mobile scans based on indoor/outdoor locations

Source: GSMA Intelligence analysis, based on Speedtest Intelligence data provided by Ookla

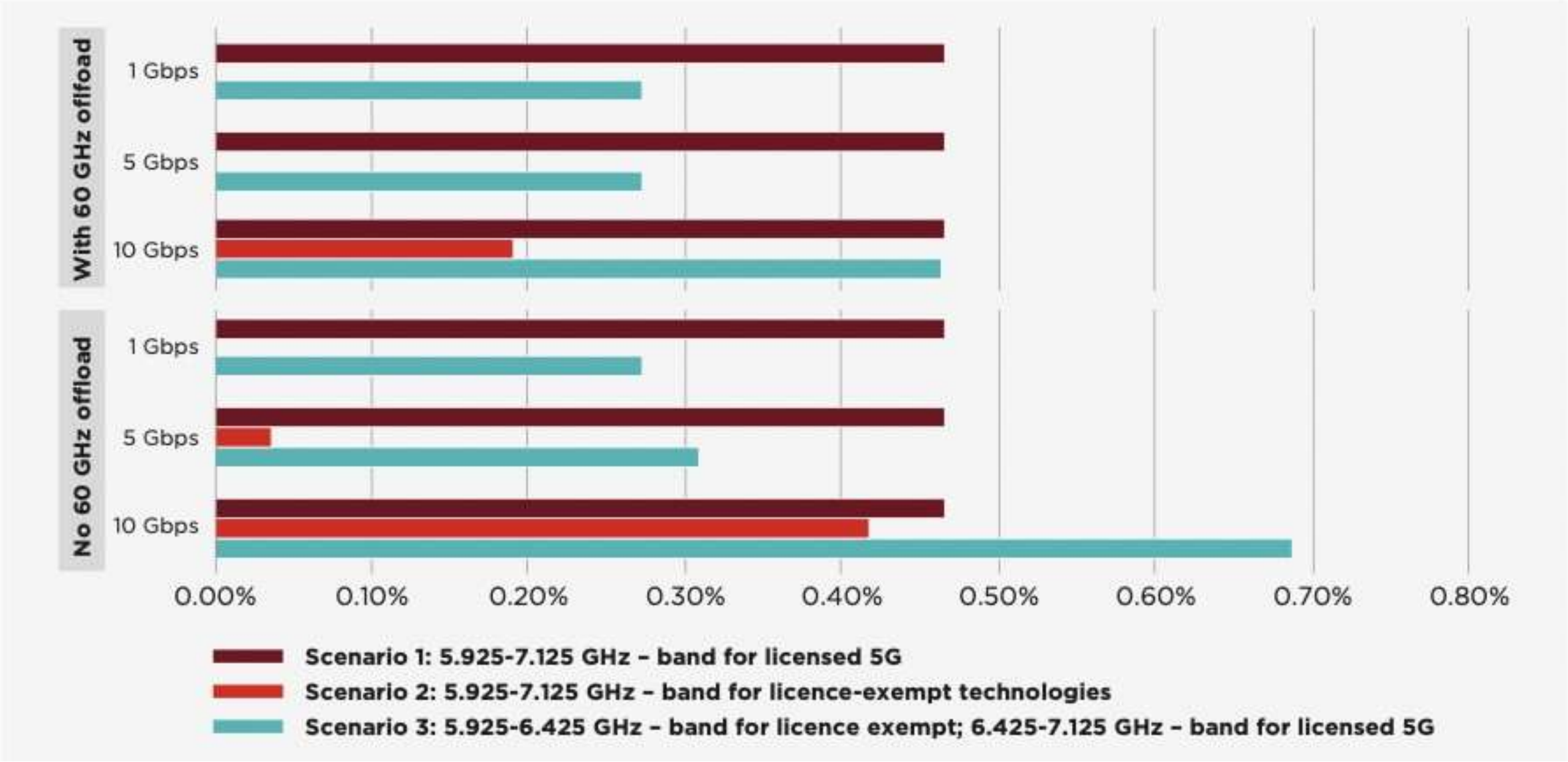
2. Indoor mobile uses mid-bands



Distribution of indoor mobile scans by spectrum band, 4G and 5G

Source: GSMA Intelligence analysis, based on Speedtest Intelligence data provided by Ookla

GDP impact of 6 GHz choices in India - 2035



The GSMA and the listed stakeholders call on government and industry to work together:

- to support the full development of 6 GHz for mobile
- to ensure a spectrum roadmap is delivered for mobile operators
- to put in place clear timelines for equipment and handsets to be ready at scale

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