

# The Need for 6GHz Connecting Our Digital Future

Rishant Dahiya
Technical Solutions Architect- Wireless

Cisco India & SAARC

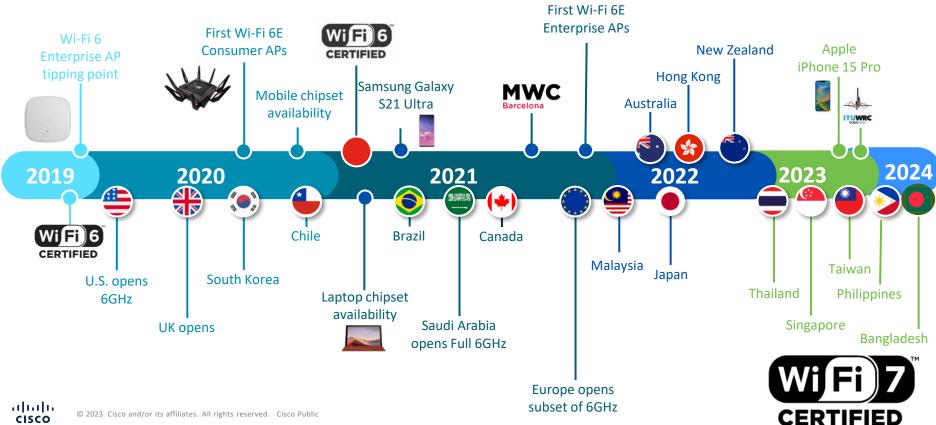






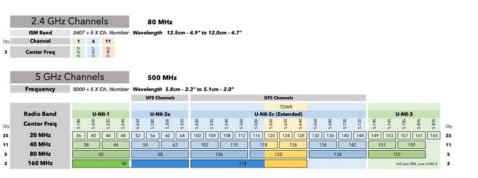


#### The Road to **6GHz**





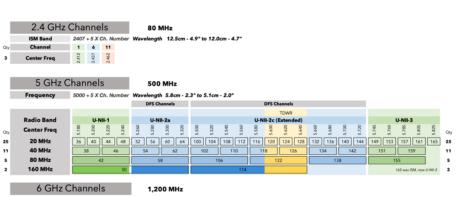
### Wi-Fi has succeeded despite little bandwidth



"6 GHz... necessary to ensure that sufficient spectrum resources are made available... to support a long-term future for new generations of... RLAN technologies" — European Radio Spectrum Committee



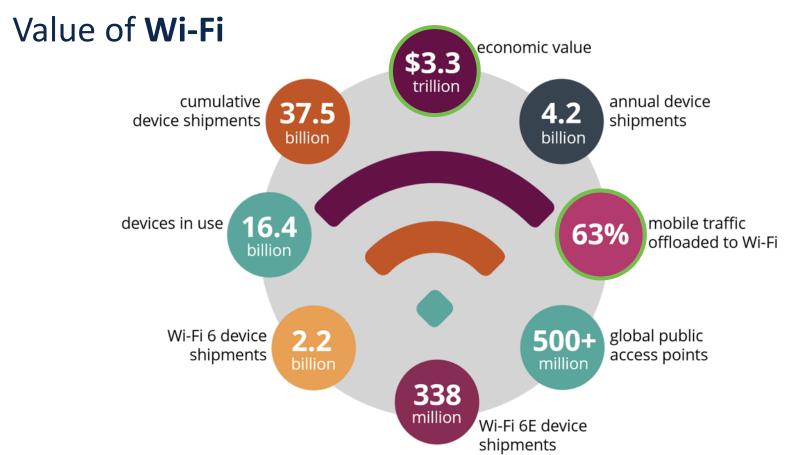
## 6GHz will provide Wi-Fi room to grow



"...the 6 GHz band [is] an opportunity to begin considering... spectrum sharing techniques in order to provide access for new services in the band while maintaining access and protection for existing services." — ISED

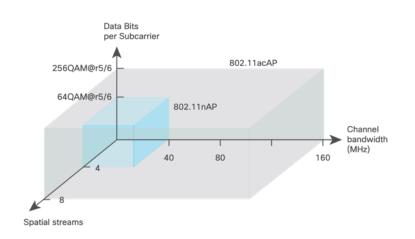


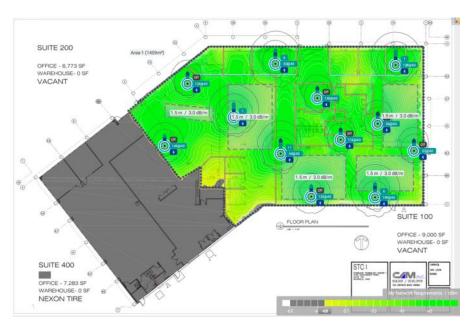






#### The **Need** for 1200MHz

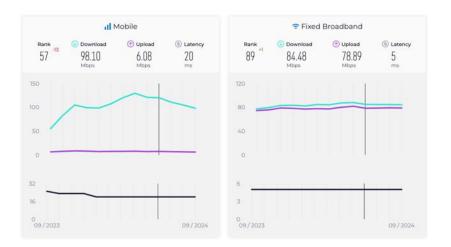




Area	1K ft <sup>2</sup> / 93 m <sup>2</sup>		1.2K ft <sup>2</sup> / 111 m <sup>2</sup>	1.5K ft <sup>2</sup> / 130 m <sup>2</sup>
BW	80 MHz	40 MHz	40 MHz	40 MHz
Pass/Fail				



#### A Tale of Two Cities – **Delhi & Mumbai**













1.8 Gbps



25<sub>x</sub>





## Connecting Our **Digital Future**











The bridge to possible