# Public Policy Best Practices to Unleash 5G Potential

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#### 5G with Rapid Development Keeps Inspiring Commercial Success



HUAWE

## **5G Supportive Spectrum Policy for Sustainable Development**

• Award at least 80-100 MHz of contiguous spectrum per operator Continuous The development and in initial 5G mid-bands (e.g. 3.5 GHz) prosperity of 5G is inseparable from the support of the Governments and regulators should avoid inflating 5G spectrum Affordable prices as this is linked to slower broadband speeds and worse government and regulators coverage. • Regulators should carefully consider the right 5G spectrum GSMA Obligatory license terms, conditions, obligations and awards approach and consult industry to maximize the benefits of 5G for all **5G Spectrum Positions** 5G Spectrum Exclusively licensed spectrum over wide geographic areas is vital **GSMA Public Policy Position** National to the success of 5G. National license for operators is the June 2022 mainstream worldwide Governments need to adopt national spectrum policy measures Long-term to encourage long-term heavy investment in 5G networks (e.g. long-term licenses, renewal process, spectrum roadmap etc.)



#### **5G Bands in Latin America**



Source: GSA GAMBoD, 2024. Countries where the band is either considered for 5G, or already in use for 5G commercial service



#### Target for the 5G/5G-A network and spectrum needs



To reach 5G-A target experience for various use cases

- Hotspots: DL 10 Gbps + UL 1 Gbps
- Ubiquity: DL 5 Gbps + UL 500 Mbps

Band	Likely bandwidth per operator	Peak Rate
mmWave	400 MHz	4.5 Gbps
U6G	200 MHz	3.6 Gbps
C-Band	100 MHz	1.8 Gbps
FDD	2x50 MHz	1.8 Gbps



### 600 MHz: A New 5G Golden Band with Better Coverage



Sub-1GHz expending network coverage

#### Additional low-band spectrum benefit 5G use cases



#### 600MHz leads to additional capacity

• Increase download speeds on 5G network : 30-50%



#### The No.1 Use Case for Low bands are Massive IoT



Source: GSMA & Coleago Report < 5G-Low-Band-Spectrum >



#### WRC-23 outcomes



at WRC-23, or attempted to identify the band at WRC-23 but were blocked





### 6425-7125 GHz for IMT: The Global Picture



### **U6G Ecosystem: Leading U6GHz industry solutions**





### **U6G Ecosystem: Chipset maturity and readiness**







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#### 18-20 June 2025

# **MWC-Shanghai**

https://www.mwcshanghai.com/

Huawei LAC Round Table - Initial Planning



# Thank you.

