



# Jawad Abbassi

Head of MENA, GSMA

**5bn+**

SUBSCRIBERS

**2/3 of the world's  
population**



**CaseForChange**  
**Jordan**



**Origin Project**  
**Egypt**



# Smart Cities Dubai



A photograph of a woman and a young child, both smiling, set against a blue-tinted background. The woman is in the foreground, looking towards the camera with a wide smile. The child is behind her, also smiling. The image is overlaid with white and red text.

[gsma.com/betterfuture](http://gsma.com/betterfuture)  
**#BetterFuture**

# **Our Mobile Future**

**5G**







# 5G



**1.2bn**

**5G connections worldwide  
by 2025**



**40%**

**of the global population  
by 2025**



## Five GSMA goals for the 5G era



1 Boundless Connectivity for All

2 Innovation and Network Economics

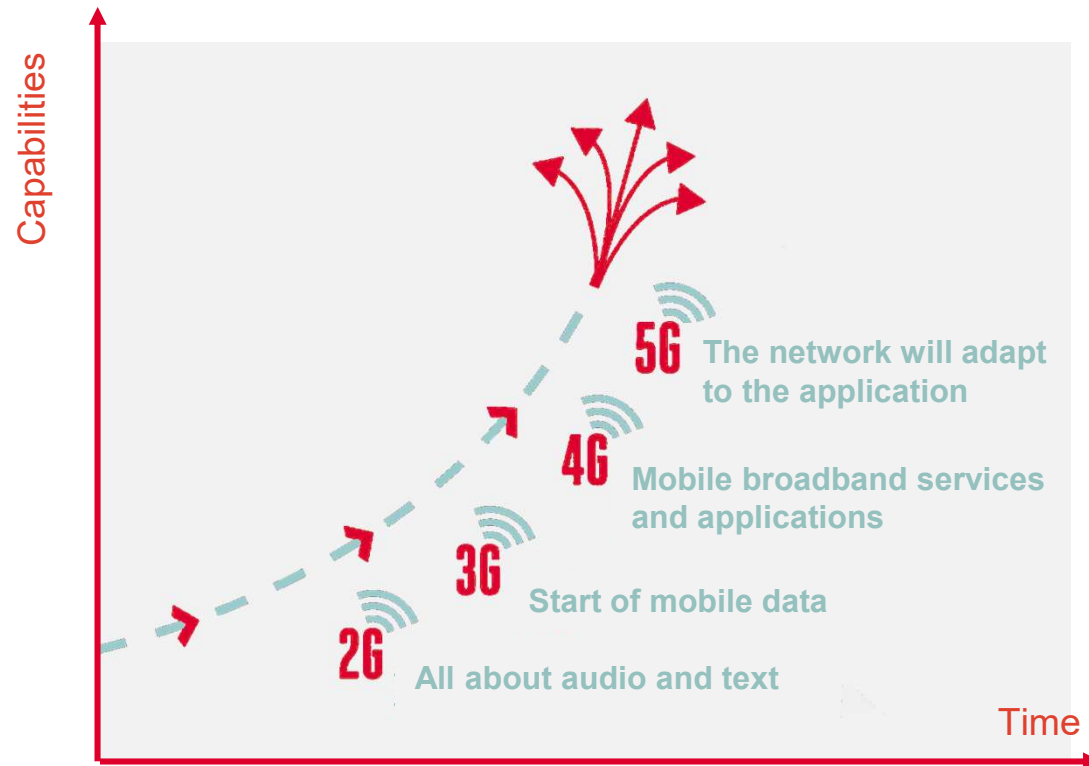
3 Transformation of Vertical Industries

4 Revolutionize the Mobile Broadband Experience

5 Help to Grow New Use Cases



# From purpose built to a flexible generation



## Evolution towards 5G

- The fifth generation of mobile technology is expected to be deployed in large scale in the 20s decade
- As for the previous generation leaps it will produce a leap in performance:
  - Higher Speed (Gbit/s)
  - Lower Latency
- 5G will be adaptable to serve a variety of use cases and integrate existing networks



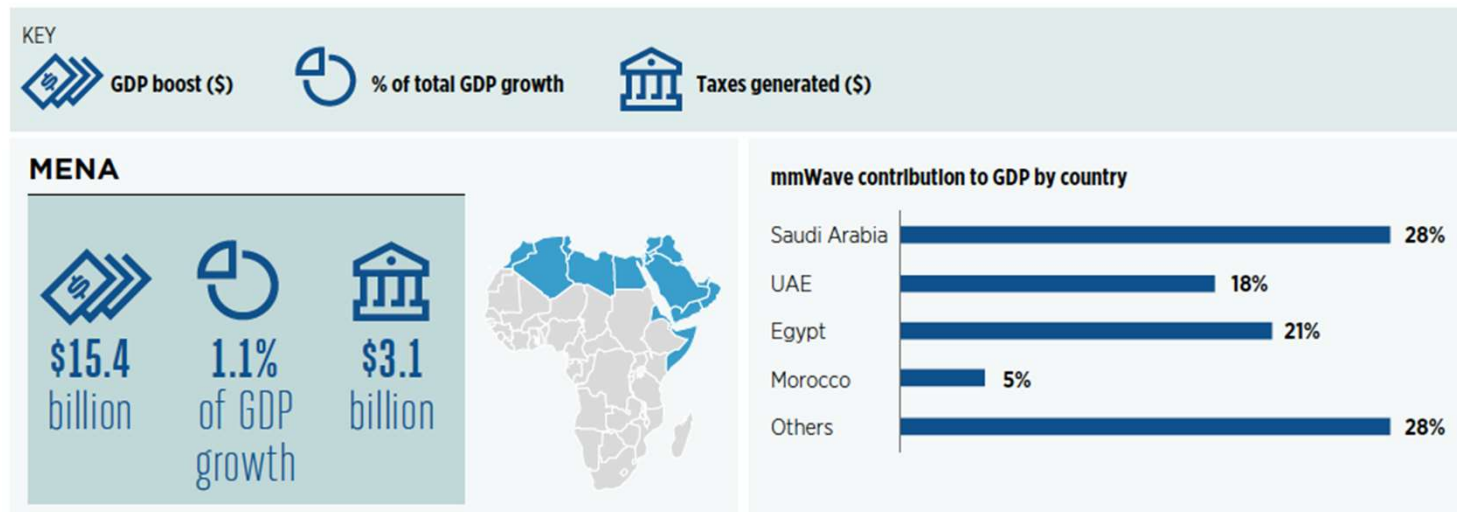
# 5G spectrum positions



1. 5G needs new harmonised and contiguous spectrum (80 to 100 MHz of in mid-bands and around 1 GHz in mmWaves)
2. Across three ranges: below 1 GHz, between 1 and 6 GHz, and above 6 GHz
3. WRC-19 is vital to realising the 5G vision
4. Inflated spectrum prices should be avoided
5. Exclusive licensing should remain the core approach
6. Setting spectrum aside for verticals in prime bands could jeopardise the success of public 5G
7. Regulators must consult 5G stakeholders to ensure the success of spectrum awards



# Why we need mmWave spectrum for 5G

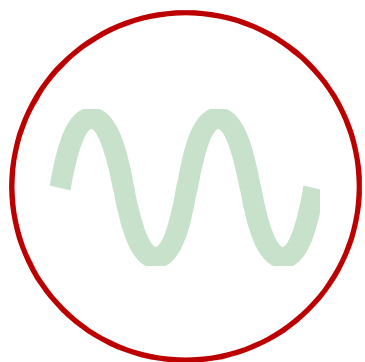


Source: TMG.

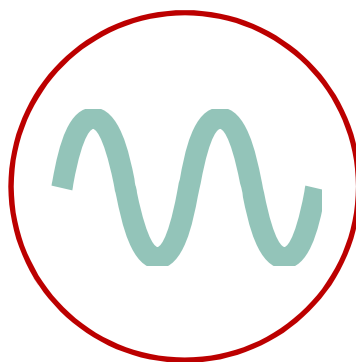
<https://www.gsma.com/spectrum/resources/mmwave-5g-benefits/>



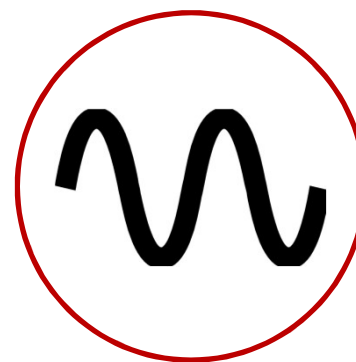
## WRC-19 AI 1.13 – the key millimetre wave bands



**26 GHz**  
(24.25-27.5 GHz)



**40 GHz**  
(37-43.5 GHz)



**66-71 GHz**



## WRC-19 AI 1.13 – the GSMA's policy positions



A successful identification of spectrum for IMT under Agenda Item 1.13 is vital to realise the full potential of 5G networks



The GSMA also supports 66-71 GHz



### The GSMA supports the 26 GHz and 40 GHz bands



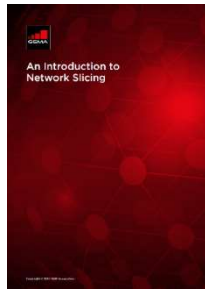
Due to the large amount of spectrum needed for 5G services, the range 45.5-52.6 GHz also needs to be considered



Technical studies show that coexistence between IMT and other services is possible



# Learn more about making the most of 5G



<https://www.gsma.com/futurenetworks/technology/understanding-5g/>

<https://www.gsma.com/spectrum/5g-spectrum-guide/>





# Artificial Intelligence



# **Intelligent Connectivity**

**INTELLIGENTLY CONNECTING  
EVERYONE AND EVERYTHING  
TO A BETTER FUTURE**



# BIG DATA

FOR SOCIAL GOOD



# Transforming Industry





# Fuelling the Economy



**\$3.6tn**  
economic value



**4.5%**  
global GDP



# Fuelling the Economy



**29m**  
Jobs



**\$500bn**  
public funding

Download the reports

[gsma.com/mobileeconomy](https://gsma.com/mobileeconomy)





# Foster Investment

ENCOURAGE  
INNOVATION



# Foster Investment

ENCOURAGE  
INNOVATION



# \$500bn

Mobile Operator CAPEX  
2018-2020

# Intelligent Regulation



**Harmonised  
spectrum**



**Balanced  
taxation**



**Next-generation  
networks**



**Privacy and data  
protection**



# **Intelligent Connectivity**



**Thank you!**

@GSMA

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