Mobile360 Eurasia

Moscow 8-9 October 2019

Session III: Final round before WRC

WRC-19, future of 5G

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Часть III: Заключительный этап перед ВКР

ВКР-19, будущее 5G

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WRC19
The future of 5G

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More 5G launches, more connections

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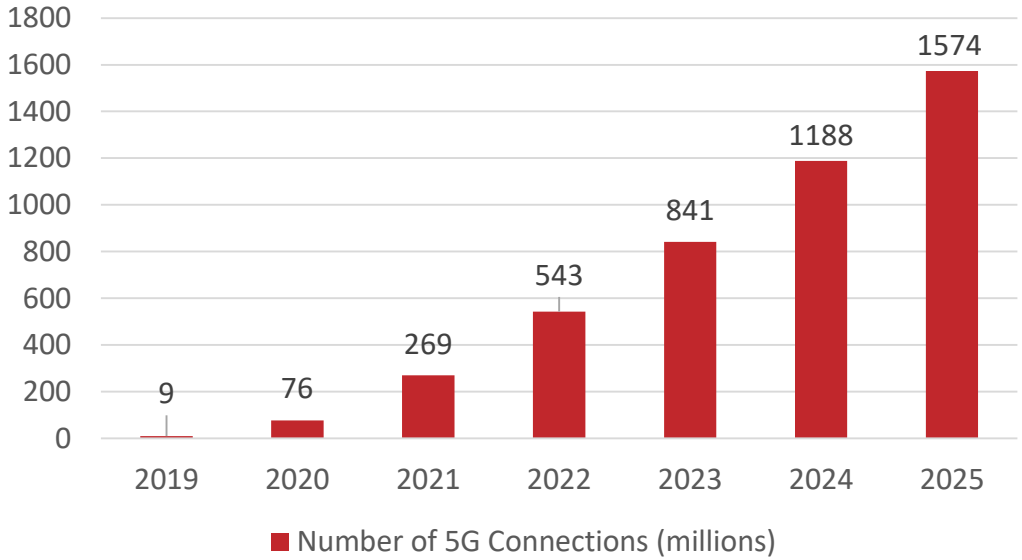

32 operators in 18 markets have launched commercial networks

76 further operators across 51 markets have announced launch plans

129 devices across 15 form factors, including phones, hotspots, CPEs, IoT routers, drones, robots, and TVs

Sources: GSMA Intelligence and Global mobile Suppliers Association

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Use Cases: Automation across industries

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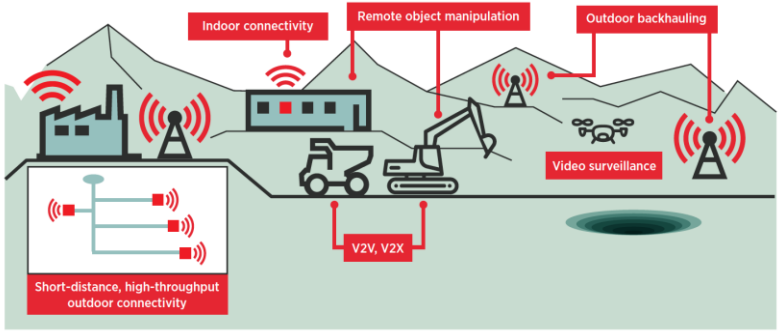

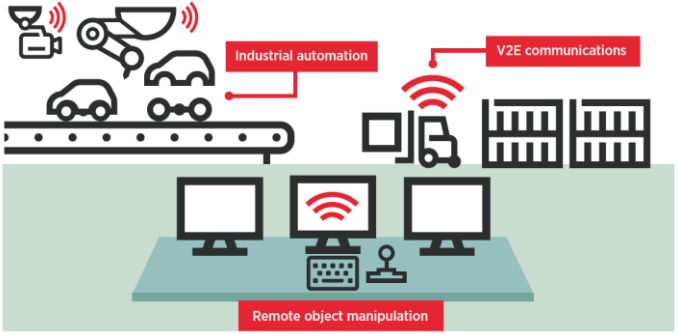

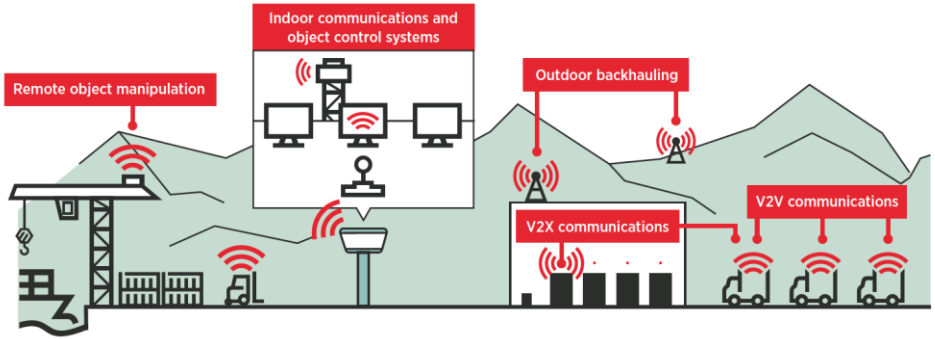

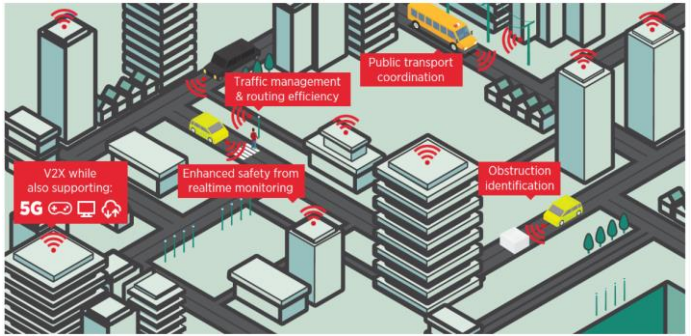

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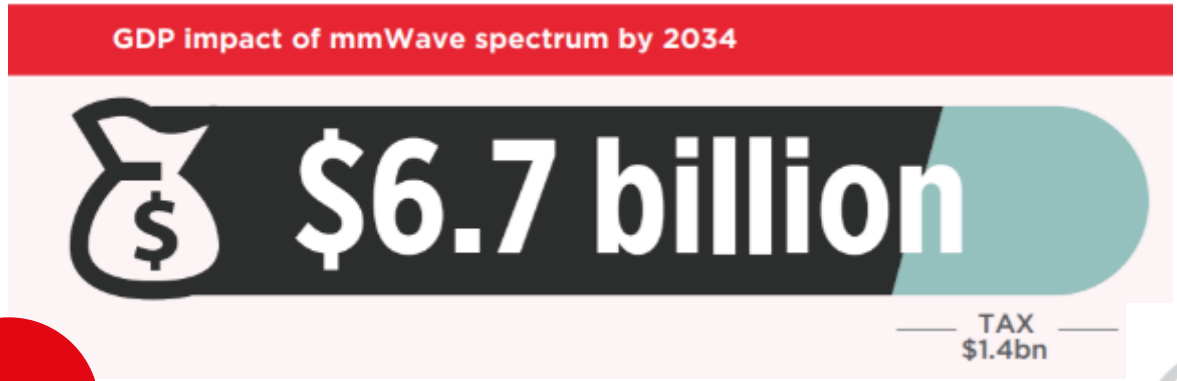
The socio-economic benefits of mmWaves 5G (2020-2034) RCC edition



1.0 %

GDP growth

The share of 5G services using mmWaves

Spectrum for 5G

5G needs spectrum across three ranges

Sub-1 GHz

1-6 GHz

AND ABOVE

6 GHz

Positive Impact of Spectrum Harmonisation

- Brings down the cost of mobile devices
- Expands connectivity
- Reduces interference issues across borders

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How RCC can support 5G at WRC-19

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26 GHz
(24.25-27.5 GHz)

- RCC support for 26 GHz band is welcomed, but -42 dBW/200MHz limit to protect EESS (passive) is overly restrictive and will have a severe impact on ability to use for 5G

40 GHz
(37-43.5 GHz)

- Should not oppose IMT identification in 37-40.5 GHz to ensure global harmonization in the entire band
- EESS (passive)
- Res 752 applies
- Active band

50 GHz
(45.5-52.6 GHz)

- Good option to support future 5G growth
- Studies have been performed and they show sharing is possible

66 GHz
(66-71 GHz)

- Flexible use for 5G systems
- Enabling both IMT and non-IMT technologies

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Ready to learn more about 5G spectrum

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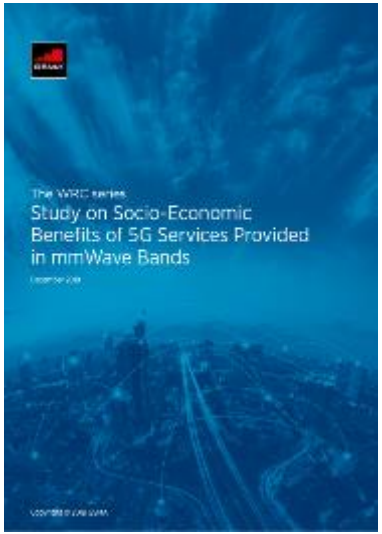

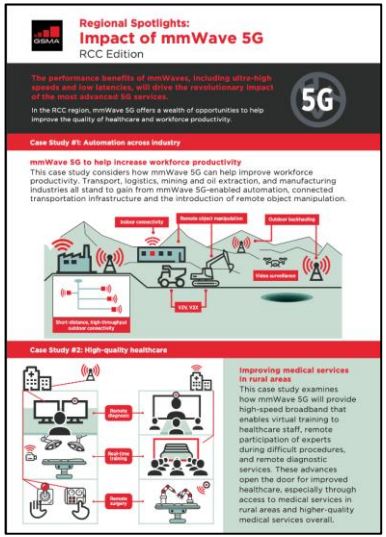

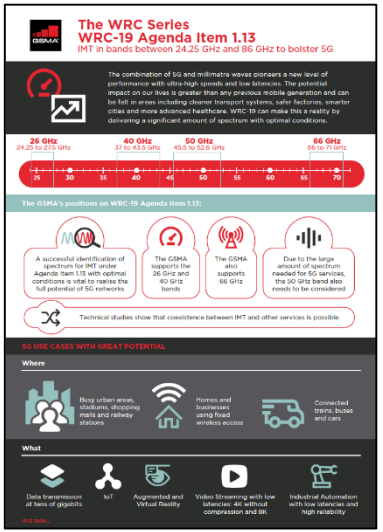

https://www.gsma.com/spectrum/resources/mmwave-5g-benefits/

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

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MOBILE CHANGES EVERYTHING

mmWaves: unlock the full potential of 5G

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