

FACTS ABOUT

5G

25,000%

INCREASE IN WIRELESS DEVICES

5G will support up to 1 million devices sq km compared with 4,000 sq km for 4G¹

x 1,000

INCREASE IN ENERGY CONSUMPTION

The projected increased amount of energy required for 5G networks compared with existing 4G networks²

400%

INCREASE IN SATELLITES

Projected extra 20,000 satellites compared to existing 4,987 already in orbit³

40 million

SMALL CELL ANTENNAS

The estimated number of small cell antennas installed globally by 2025⁴

"We're flying blind here on health & safety"⁵

Senator Richard Blumenthal, US Senate Commerce, Science and Transportation Committee on the future of 5G wireless communication, February 2019

- mmWaves are absorbed via sweat ducts, heating the water inside our bodies⁶
- Cumulative daily exposure to EMFs from wireless devices is associated with cancer, altered brain development in children and damage to male fertility⁷
- Radio frequency EMFs affect wildlife especially birds and insects⁸
- The WHO's International Agency for Research on Cancer has classified existing EMFs as "possibly carcinogenic to humans"⁹

5G will add to existing levels of electromagnetic radiation - not replace them¹⁰



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