



# 5G RF-EMF surveys

Global results demonstrate low 5G levels

5G maximum EMF levels typically less than 1% of international public limit

## 19 Countries

- Australia
- Austria
- China
- Colombia
- France
- Ireland
- Malta
- Netherlands
- New Zealand
- Nigeria
- North Macedonia
- Norway
- Portugal
- Romania
- Serbia
- South Korea
- Switzerland
- UK
- USA

## Sources



**2**  
Academia Surveys



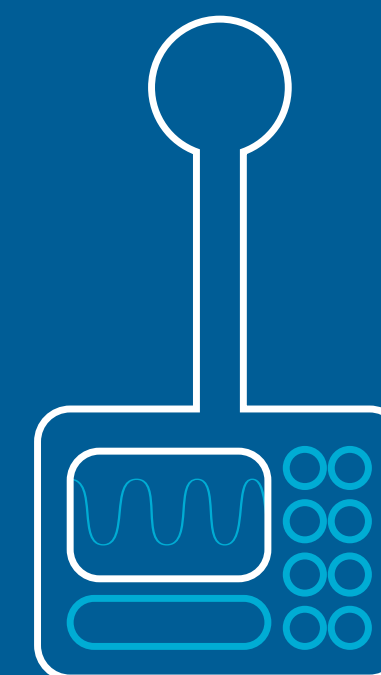
**6**  
Operator Surveys



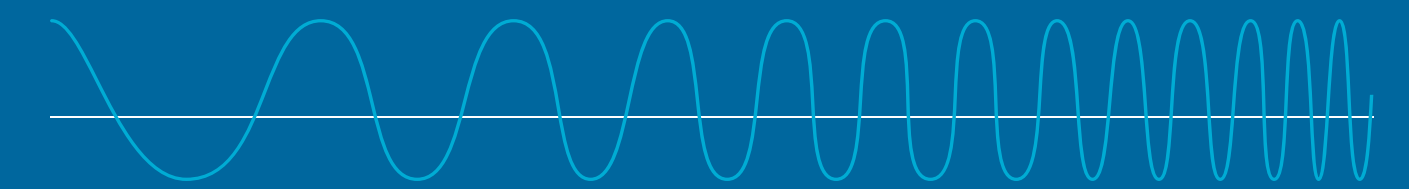
**22**  
Government & Regulator Surveys

## Survey Types

Measurements conducted on commercial and trial networks using actual and high data rate traffic.



## 30 Surveys



**Low-band**  
(<1 GHz)

**1**



**Indoor Small Cell**

**2**

**Mid-band**  
(1-6 GHz)

**18**



**Smart Apartment**

**1**

**High-band**  
(>6 GHz)

**7**



**Rooftop**

**1**



5G EMF levels across all surveys **0.0000005% to 2%** of public limit