



# 5G RF-EMF Surveys

Global results demonstrate low 5G levels

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

## 35 countries, including

- Australia
- Austria
- Belgium
- China
- Colombia
- Croatia
- Denmark
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Japan
- Luxembourg
- Malaysia
- Malta
- Netherlands
- New Zealand
- Nigeria
- Norway
- Poland
- Portugal
- Romania
- Saudi Arabia
- South Korea
- Spain
- Sweden
- Switzerland
- Taiwan
- UK
- USA

## Sources



16

Academia surveys



9

Operator surveys



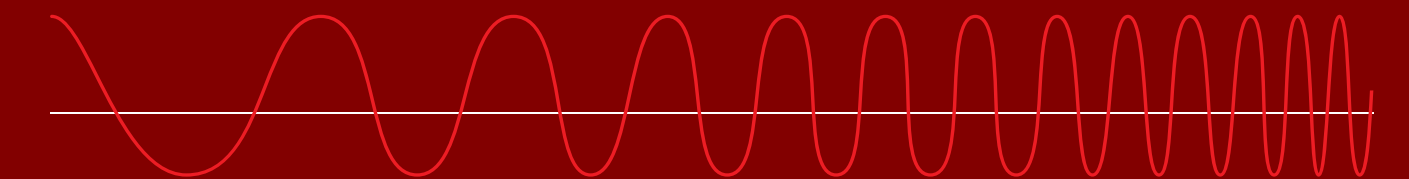
32

Government & regulator surveys

## Survey types

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

## 61 surveys



Low-band (<1 GHz)

6



Indoor small cell

2

Mid-band (1-6 GHz)

39

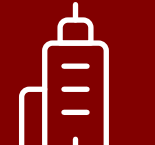


Smart apartment

1

High-band (>6 GHz)

11



Rooftop

2



5G EMF levels across all surveys 0.0000005% to 8.5% of public limit