



Australian Government

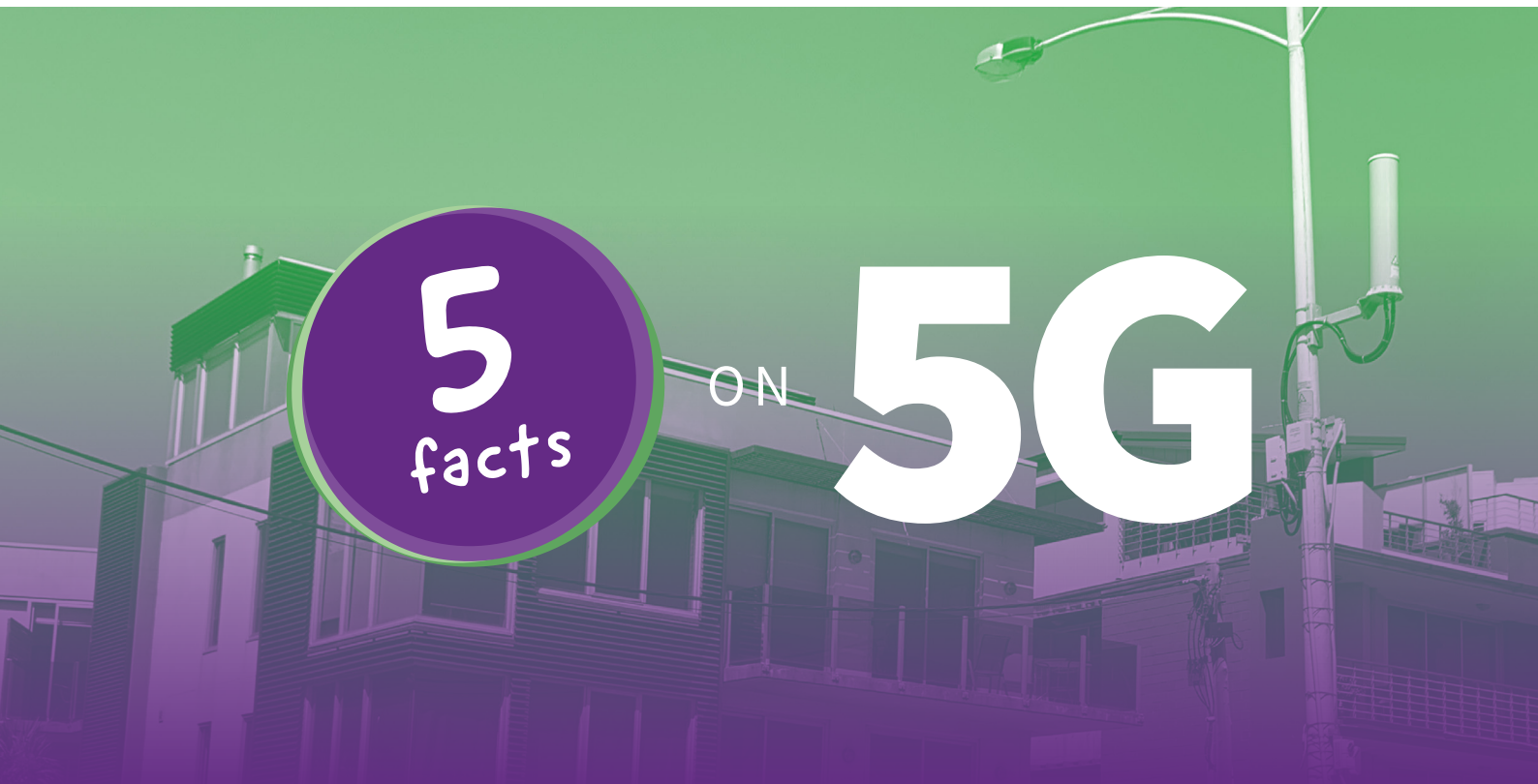
Australian Radiation Protection
and Nuclear Safety Agency



5
facts

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5G





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5G

1

5G is the **5th generation** in mobile phone technology.

2

5G emits radio waves, also called **radiofrequency electromagnetic energy (RF EME)**.

3

There are **no established short term or long term health effects** to people or the environment from radio waves at the power levels used for 5G.

4

5G will initially use the same type of radio waves as 4G. In the future, 5G will use **'millimetre waves'**. Millimetre waves cannot travel as far as those used in 4G, so **more small cell base stations are required**.

5

ARPANSA maintains the health standard for all RF EME. The Standard is consistent with **international best practice** and is reviewed regularly as new research emerges.