

# 5G millimetre wave spectrum on offer

The Australian Communications and Media Authority (ACMA) manages access to Australia's [radiofrequency spectrum](#) (radio waves).

This spectrum can be used by a wide range of communications networks and devices.

You need a licence to use devices and networks on most frequencies of radio spectrum.

## Licences on offer

96 x 50 MHz channels available across Australia
 Licence for up to 5 years
Minimum area = one cell 500x500m

We're offering apparatus licences for channels of spectrum in the 26 and 28 GHz bands.

The minimum geographic area you can apply for is one cell, which is about 500 x 500 metres. You can apply for as many as you want. As long as the licence conditions are met, you can deploy as many stations and other devices as you like in those cells.

## Steps to buying spectrum



### 1 What service do you want to provide?

#### Uses for the spectrum

The 26 and 28 GHz bands are divided into different segments. Each segment supports different uses, so particular services are more suited to some segments. The spectrum on offer includes segments that can be used for:



**Private networks operating over a limited area**

E.g. railway corridors, a hospital, an education precinct, a mine or industrial facility, a farming area



**Dedicated wireless broadband networks**

E.g. government-only



**Public mobile wireless broadband services**

E.g. mobile phone networks



**Public fixed wireless access**

E.g. NBN, wireless internet service providers (WISPs)



**Fixed satellite services**



**Internet of Things**

E.g. smart agriculture, e-health



**Machine-to-machine communications**

E.g. intelligent transport systems, warehouse management systems etc.

## Possible users

The spectrum on offer may be of interest to:

- > Private operators who use mobile or fixed wireless broadband:
  - > university campuses
  - > hospitals
  - > mines
  - > ports
  - > automated factories
  - > agricultural facilities.
- > Mobile network operators and telecommunications carriers.
- > Wireless internet service providers.
- > Satellite operators.

## Restrictions

- > Some channels are only available outside metro areas and large regional towns.
- > In some areas and frequencies:
  - > devices must be fixed, not mobile
  - > satellite has priority over fixed wireless broadband.

## 2 Check the ACMA website for more information

Details about the spectrum and application process are available on the [ACMA website](#).

## 3 Sign up for updates to keep informed

[Sign up to our e-bulletin](#) so you can be notified of important dates and stages.

## 4 Contact an accredited person to help you

An accredited person will help you understand what you can and can't do. They can interpret details about the spectrum and the application and handle all the licensing requirements on your behalf. You can find a [list of accredited persons](#) on the ACMA website.



## 5 Apply during the correct application round

We are offering different segments of the spectrum in two application rounds. The application windows for each round will be published on our website.

We expect applications to open:



First round: **late October 2020**.



Second round: **around May 2021**.

## Other spectrum on offer

We are also selling spectrum licences in the **26 GHz band** in an auction in the first quarter of 2021.

There is 2400 MHz available as 12 x 200 MHz channels for specified areas.

This spectrum is optimised for wide-area wireless broadband deployments.

A consultation on class-licensed access in this same band will be released soon.