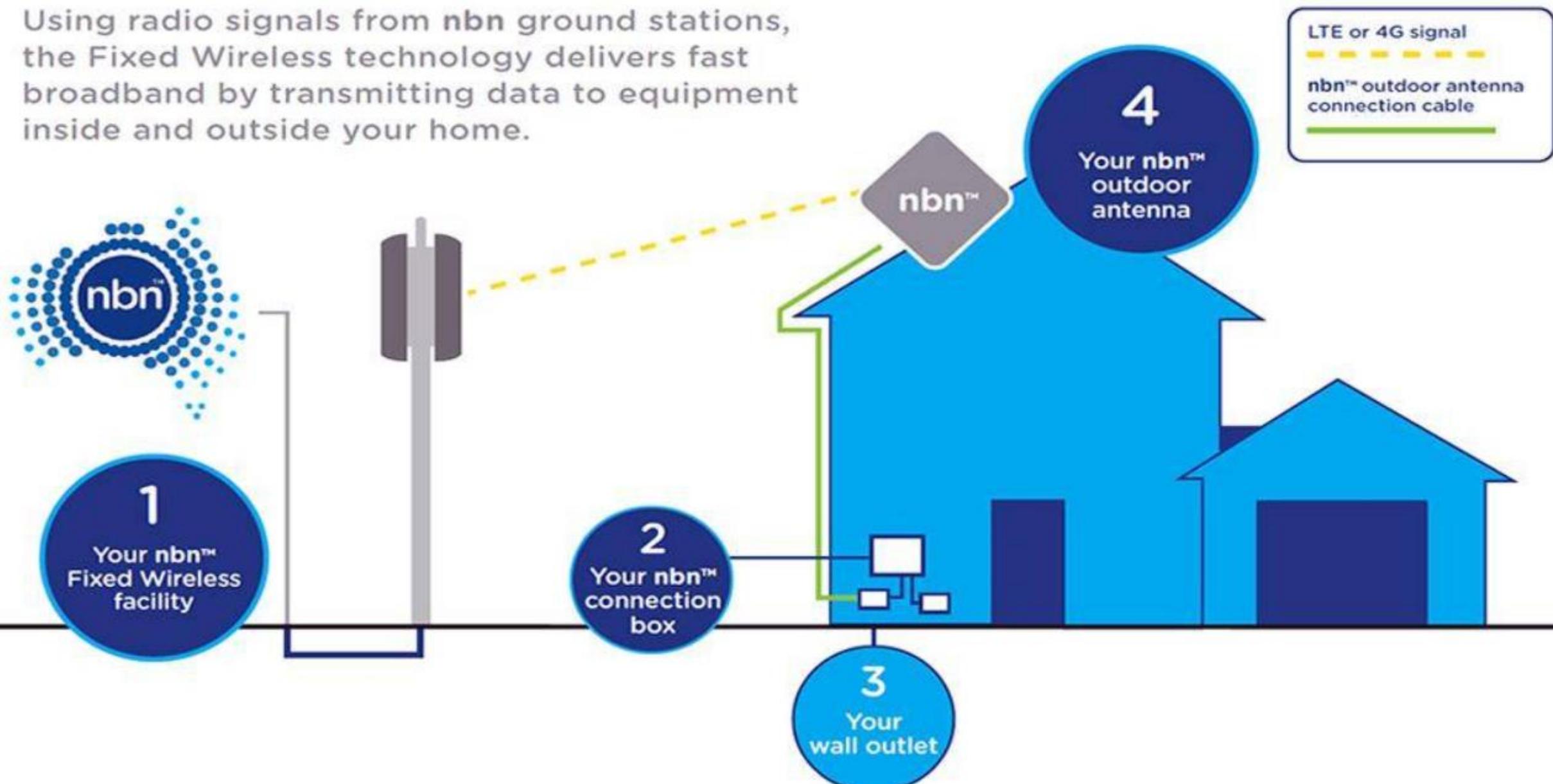


A collage of images related to 5G technology. It features a satellite dish on the left, a map of India in the background, a cellular tower on the right, stacks of coins in the foreground, and a laptop on the right. A yellow banner with black text is overlaid diagonally across the center.

# 5G Fixed Wireless Access (FWA) and mmWave Technology

# nbn™ Fixed Wireless

Using radio signals from nbn ground stations, the Fixed Wireless technology delivers fast broadband by transmitting data to equipment inside and outside your home.



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## Standard Speed

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### Typical speeds

25Mbps typical download and 4Mbps typical upload speeds between 7pm-11pm.

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### Suitability

Ideal for small households with 1-2 people using multiple connected devices.

Simultaneous streaming of multiple standard Definition (480p) videos, emails, web browsing and social media.

Or streaming a single High Definition (1080p) video, if there are no other online activities.

## Important information

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Your actual user speeds will vary throughout the day due to quite a number of factors, including the signal strength or obstruction of the antenna's line of sight to the tower, weather conditions like extreme heat and heavy rain, as well as tower and network capacity. Plus your actual speeds may be less due to your in-premises set up and how the internet is used in your home.



# \$750 million investment to 5G-enable nbn<sup>®</sup> Fixed Wireless to deliver faster speeds to regional Australia

NBN Co will use the funding to 5G-enable its network of more than 2,200 Fixed Wireless infrastructure sites and more than 22,000 cells in semi-rural areas and across regional and remote Australia.

NBN will use the very latest 5G technology to vastly extend the range, speed and capacity of its existing Fixed Wireless network, while reducing latency to deliver the best possible customer experience.

Importantly, as a result of recent advances in 5G technology, and in particular nbn's extensive testing and future implementation of **5G millimetre wave technology**, the enhancements will be primarily delivered using the existing network of nbn Fixed Wireless towers

# Nokia 5G mmWave FWA technology selected for nbn fixed wireless broadband

18 October 2022

Espoo, Finland – Nokia today announced it has been selected by nbn to supply 5G fixed wireless access (FWA) mmWave Customer Premises Equipment (CPE) for nbn's fixed wireless network upgrade. The program will help deliver faster speeds to thousands of homes and businesses across semi-rural, regional and remote Australia.

In a world-first, the customer premise equipment (CPE) provided by Nokia supports high frequency 'mmWave' bands, which are capable of Gigabit speeds for premises within a 7km radius of a radio base station.

# Select the 5G Home Internet plan

 FIRST MONTH ON US & \$10/MTH OFF FOR 6 MTHS.

**Unavailable** [Find out why →](#)

1TB DATA

## Telstra 5G Home Internet

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month-to-month

**\$0 for the first month**  
Then \$75 per month for 5 months.  
\$85/mth after.

If you leave within 24 months, return your modem within 21 days to avoid a non-return fee. Select areas and eligible customers only.

### Plan speeds

Typical speed ranges

Download: 50Mbps - 600Mbps  
Upload: 10Mbps - 90Mbps

5G Home Internet average speeds

<b>378Mbps</b> Download	<b>46Mbps</b> Upload
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[More on 5G internet speeds →](#)

Average and typical speeds are into-the-home speeds measured at the modem. Speeds over Wi-Fi may be slower.



## Why can't I get 5G Home Internet yet?

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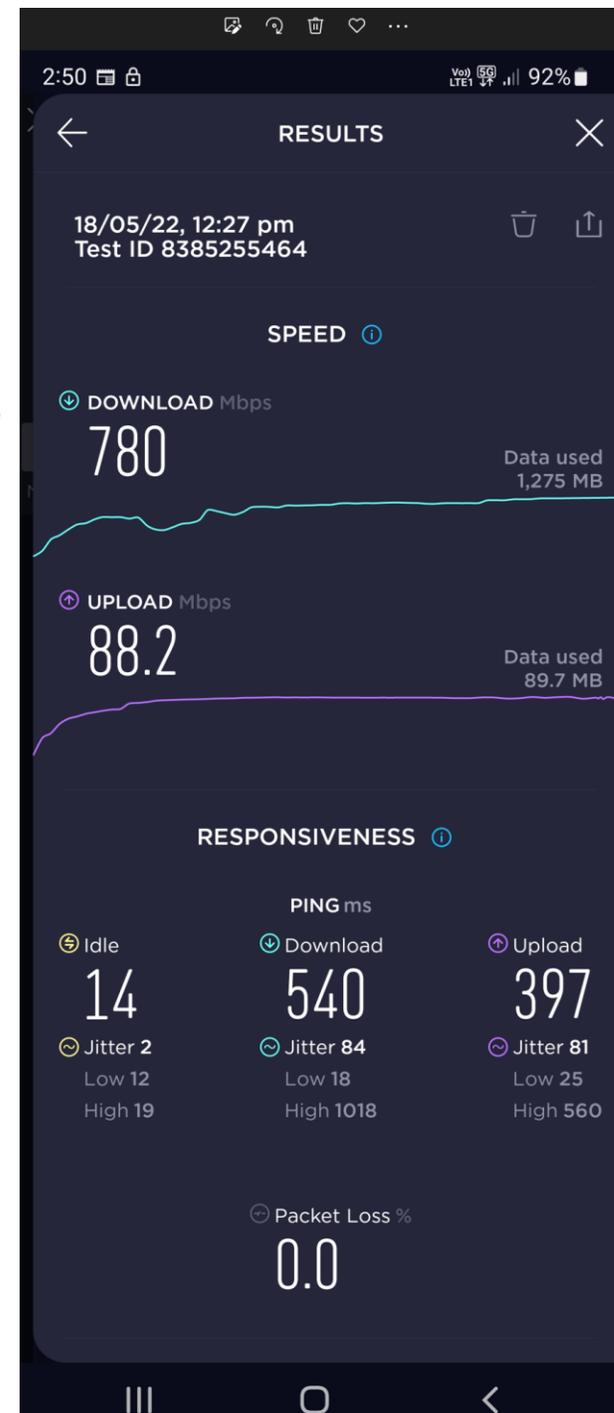
- Telstra 5G Home Internet may not yet be in your area.
- You may be in a 5G coverage area, but your address may not be getting the minimum download speed of 50Mbps required for 5G Home Internet to work.

The good news is we're expanding our 5G home internet capacity all the time, so please check your address again soon.

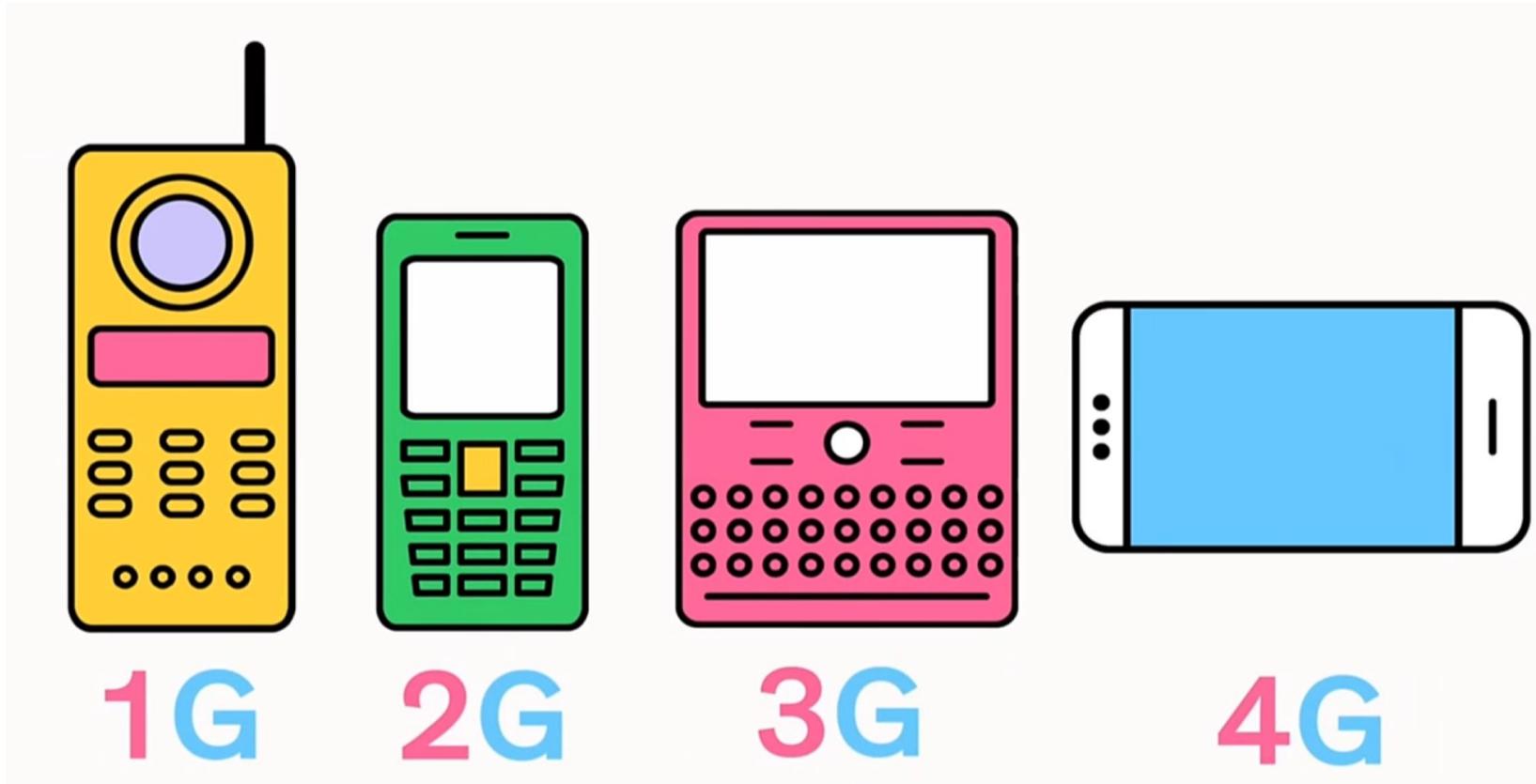
If you want to connect to fast, reliable internet now, check out our great value [nbn plans](#).

# Samsung S21 using 5G plan on Telstra.

Results of speed test connection  
Close to 5G tower.



# What is 5G and How Does It Work



NBN Co to use Nokia CPE  
(Customer Premises  
Equipment) in \$750m fixed  
wireless upgrade

## Solving the challenge of mmWave Fixed Wireless Access -Nokia

Solving the challenge of  
mmWave Fixed Wireless Access

**NOKIA**

# Review 5G



Questions