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## Which antenna shall I choose?

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In contrary to WLAN with Mobile networks it's more difficult. Let's do it step by step:

- 1. In which **country** do you use OWL? And which **provider** do you use? Depending on country and provider the frequency range(s) might differ.
- 2. Which OWL do/will you use? OWL-3G demands UMTS antenna(s). OWL-LTE obviously might use LTE antennas depending on your demand. Usually antennas support one or more frequency range(s). The **frequency range** your provider offers must fit to your antenna. In case you use 2 different providers be aware that they might use different ranges.
  Keep in mind that using OWL-LTE it offers a fall-back to UMTS or even 2G in case of LTE is down. The UMTS frequency range might be different than the LTE frequency range. If you need this fall-back, then the antenna need to support both ranges.

## The rest is comparable to WLAN antenna:

- 1. Where do you use the antenna? Indoor or outdoor with demand for a specific IP protection and temperature range?
- 2. Which radiation characteristic do you want? Omnidirectional or directional?

## What else to care for?

- 1. Antenna connection is SMA. This is different to WLAN/BAT. Make sure you select the right connector or you need an adapter.
- 2. How shall the antenna be mounted?

With all these answers you now can buy the right antenna.

Does Hirschmann offers antennas or recommends an antenna manufacturer? - Currently neither of both. We recommend to buy the antenna at the next electronics shop available or at the Hirschmann partner you trust according to your demands.