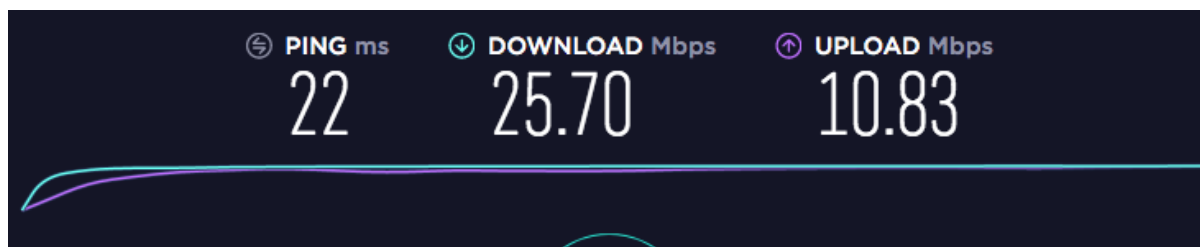


This document is a guide to selecting the best mobile cellular network provider for your WeatherFile system and ensuring the SIM card supplied is within the providers terms and conditions of use with a WeatherFile system.

Checking network coverage

Checking multiple network providers for the WeatherFile system location will ensure you get optimum performance. Following the steps below will help in making the right choice.

- Checking which networks are commonly used in the area will help narrow down selection.
(For example in our area the best throughput 4G service is provided by EE and most customers are using EE)
- You can also use online sources to check coverage from specific providers, a few examples below:
OFCOM <https://checker.ofcom.org.uk/mobile-coverage>
EE <https://ee.co.uk/why-ee/mobile-coverage>
Vodafone <https://www.vodafone.co.uk/network/status-checker>
- Once you have made an initial network selection we suggest running a 'speed test' (www.speedtest.net) to get an indication of network performance.
- An example of a 'speed test' is below;
 - Ping: Reaction time of your connection, the lower number the better. 22ms is a good reaction time.
 - Download: How fast you can pull data from the server. The higher the number the better, 25.70Mbps is a good download performance
 - Upload: How fast you send data. The higher the number the better, 10.83Mbps is a good upload performance

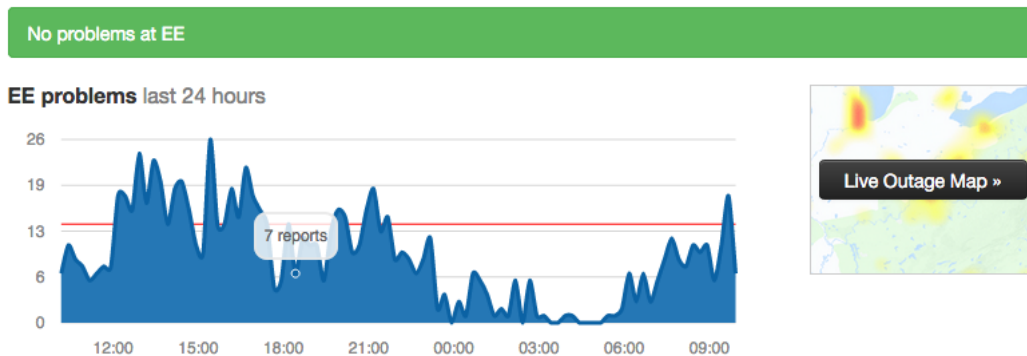


The recommended minimum requirements are a ping time of less than 250ms, a download speed of 5Mbps or better and an upload speed of 1Mbps or better.

Checking network reliability

You can also check the reliability of a network using an online resource such as ‘down detector’ (downdetector.co.uk), this will give a good indication of ongoing network performance for a given area

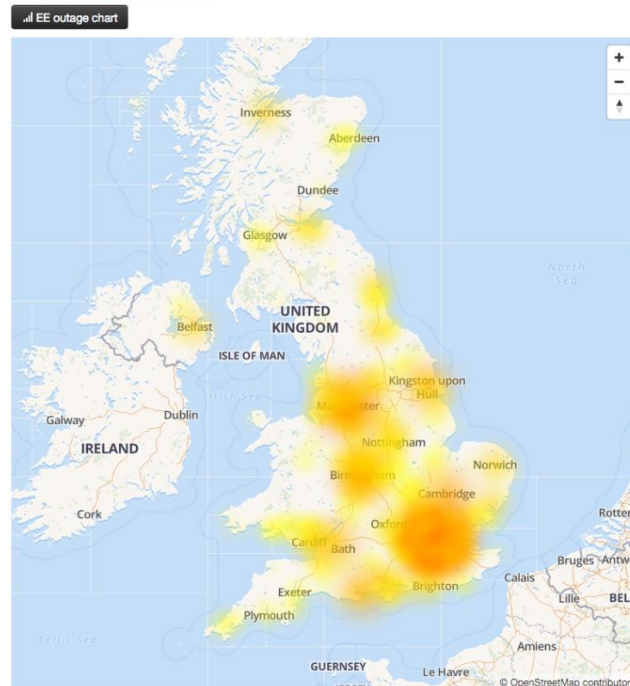
- Firstly, you can find an overview for a network provider across the country, example below:



- Secondly, you can also review network outages for the WeatherFile system location by clicking on the “live outage map” (example below). You can use this to compare networks for reliability.

EE outage map

Recent reports mostly originate from: London, Birmingham, Nottingham, Glasgow, Bristol, Manchester, Newcastle Upon Tyne, Croydon, Leeds, and Dagenham.



SIM card specification

It is important that the SIM card selection and network contracts fall within the specification below:

- Monthly data allowance of 1Gb minimum on a 4G network.
- The SIM card and network contract **MUST** allow M2M and IOT data transfer, this ensures data will flow across the corporate data networks. WeatherFile systems will not use voice or SMS messaging and are considered as corporate/commercial use for the transfer of information between fixed systems and remote assets. **BE AWARE** Consumer SIM card contracts and mobile data plans will not necessarily allow the data service required for WeatherFile systems.
- Richard Paul Russell can supply supported SIM cards over a 3-year contract period. Rates available on request, call us on +44 (0)1590 641223 or email sales@rpr.co.uk for further information.

This document is meant as a guide to assist in selecting the optimum network and contract for your WeatherFile system. GSM cellular network coverage, contracts and specifications can be altered by the supplier at short notice and as such Richard Paul Russell Ltd cannot guarantee the accuracy of the information within this guide and can be subject to change at any time.