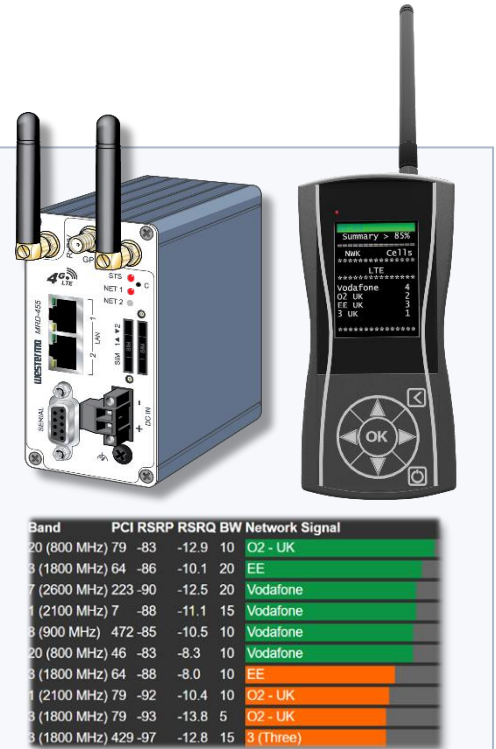


4G (LTE) Site Survey

- ⌘ Location specific signal scan of all major networks
 - Visibility and availability of frequencies available
 - Signal strength and quality measurements
- ⌘ Router Throughput test
 - Downstream and upstream data rates obtainable
 - Frequency specific connectivity testing
 - Antenna options tested in-situ
- ⌘ Cell tower information
 - Proximity to nearest masts
 - Topographical information
 - Identification of preferred network
 -
- ⌘ Survey report
 - All measured parameters documented and explained
 - Suitable antenna locations identified
 - Recommendations for optimum connectivity



Westermo will carry out a professional 4G (LTE) survey to give you confidence that a wireless router will work reliably in its intended location.

We use specialist RF scanning equipment to identify what network signals are available from any of the four major networks. It can also identify if these signals are constantly present or just transitory, which is a crucial consideration for fixed 4G installations. By using the RSRP and RSRQ signal strength and quality metrics, an accurate figure of usable signal is determined at the exact point of installation, rather than a general network coverage map.

As the signal strength and frequency only provide part of the overall picture, we also perform data throughput tests using Westermo’s 4G routers to give a comprehensive view of how the equipment will actually perform.

A variety of external antennas can be used to identify a suitable type for any particular location. This is done after evaluating the surrounding area topography, any local obstructions and what frequencies are available for use.

All of the information gathered from the survey is then documented in a report giving the customer a valuable insight into the likely performance of at the equipment at the desired location. It also serves as a practical guide of where the antennas should be installed and how the router should be configured for reliable operation.

Ordering Information

Article no.	Description
9998-0001	1 day site survey and report

4G (LTE) Site Survey

Overview of activities carried out

- Scan of all four major UK networks (Vodafone, EE, O2, Three)
- Analysis of available signals on all UK bands
- Signal strength evaluation (RSSI, RSRP & RSRQ)
- Data throughput and latency tests using Westermo 4G routers
- Use of omni-directional and/or directional antennas according to site location
- Comprehensive report of measured parameters with conclusions and recommendations for installation

