

# Managed Services Coverage Analysis



## Arqiva offers an independent validation and analysis service of the Airwave network as part of its Managed Services portfolio

As Airwave continues to both upgrade and evolve its network and add new subscriber groups the coverage it provides will change. Environments, particularly urban environments, are also ever-changing with new buildings being constructed and old buildings being demolished. This will also effect the coverage provided by the Airwave network.

Arqiva's coverage analysis service will continually validate the service that you, as a customer, are receiving from Airwave. It ensures that you are always aware of what impact changes to the network and the environment has on the Airwave service you receive and makes sure that your front line officers always have the communications support they need.

### Features

- Drive tests
- Walk tests
- In-Building tests including handover
- Graphical reports on every drive walk or in-building test
- Analysis on data collected reported each month
- Recommendations on remedial action

### Benefits

- Provides continual validation of contracted service levels for Airwave
- Allows you to proactively engage with issues before they become serious problems
- Enables you to fulfil your duty of care, ensuring officers always have the best communications possible
- Provides empirical data on network performance



## Typical Reports

Arqiva's engineers analyse every set of data that is collected and give their expert opinion on any potential issue that the data raises. This analysis is then fed back into the monthly report you receive.

The data collected includes but is not limited to:

- RSSI of the serving base station and that of the best neighbour base station
- Broadcast neighbour listing
- C1 – Path Loss Parameter expressed in dB
- MS TxPwr
- Handover points marked
- GPS Location (in-building tests will not have a GPS location)

The graphical nature of the reports, coupled with a concise commentary on each result and an executive summary gives a complete yet accessible view of how the Airwave network is performing in any given geographical area.



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