

GPS Assisted Radio Survey

- Graphical representation
- Detailed account of coverage
- User friendly Operation

In mobile and static radio systems, knowing the extent of your radio coverage can take the guesswork out of maintaining a healthy and highly available system.



STI Engineering GPS assisted surveys are able to utilise existing installed infrastructure and quickly characterise radio coverage to identify potential issues before they become a problem.

The survey delivers an easy to understand pictorial view of the area, with a multicolour overlay so coverage can be easily understood at a glance. STI Engineering can also provide a report outlining the coverage tests and recommendations.

The site surveys are also used on green field sites to determine what extent of infrastructure will be required to cover the desired area and the best spot for repeaters. STI Engineering can supply all the required equipment to give an accurate account of the coverage that can be expected.

The site survey can be completed by STI Engineering technical staff, or by onsite personnel with a deployable GPS kit. In both cases the data is collated at STI Engineering and presented in an easy to interpret format.

When verifying an existing system, checking the coverage is as easy as installing the kit on a vehicle then driving by all the required locations for coverage. The system picks up and records the signal strength from multiple base and repeater stations.

Depending on the installed equipment, the survey will provide coverage results for each separate base and repeater station, or a composite coverage map.

If multiple maps are recorded over time, the changing characteristic of the coverage can be determined.

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