Information sheet

The BiTEA B7000 is a Cloud Based Radio Network Survey tool which provides network operators and users with useful performance and quality measurements plotted on digital maps and auto generated written reports to easily show where radio coverage, performance and quality is above or below that expected. It is designed for use with commercial and public safety radio networks.

The BiTEA B7000 is a scalable system and suitable for testing of single cell radio networks, up to National networks employing thousands of base station cells. The B7000 is compatible with Terrestrial Trunked Radio Networks (TETRA) and 4G LTE Radio networks with plans to interface with other radio systems such as Digital Mobile Radio (DMR)

The B7000 can be used to compare the coverage, performance and voice quality of different networks and can also be used to compare real life coverage with computer generated statistics. Voice quality testing is carried out using gold standard International Telecommunication Union (ITU) approved algorithms which are accepted worldwide.

Using cloud technology the BiTEA B7000 provides a low cost, secure, easy to manage, maintain and develop Radio network survey system.

The B7000 is based on BiTEA's principles or carrying out radio surveys using standard network radio terminals to give a true reflection of operational measurements encountered by the users.

The B7000 uses network probes which collect the coverage and performance data and stream it live back to the cloud server, where the results are analysed and made available for engineers and managers to view live or from archived files, making it easy to share the results.

There are several probe options to suit the testing requirements and these are built into Rucksacks, 19" racks, industrial rugged suitcases and fixed rugged metal housings. These permit walk testing, drive testing and fixed point monitoring surveys. For LTE 4G testing the probes take the form of a BiTEA radio probe App which turns standard smart phones into sophisticated network probes.