

AN/TPS-75 RADAR SUBASSEMBLY MANUFACTURING



The AN/TPS-75 is a mobile, tactical radar system capable of providing radar azimuth, range, height and Identification Friend or Foe (IFF) information for a 240 nautical-mile area. It is a deployable/transportable radar system capable of providing long range radar data to support operations and control of tactical aircraft. It forms the backbone of the US Air Force Air Defense

system. UST has been working in conjunction with Hill AFB and Raytheon on various components for the AN/TPS-75 Ground Based Radar for over 10 years.

The RF Exciter (Frequency Generator), which was redesigned and manufactured for the Air Force, is the heart of the electronic suite for the radar.

Issues exhibited by the Customer

- Lack of availability of lower level subassemblies
- Lack of support from the OEM
- OEM's price was excessively high
- Turn around time for manufacturing from the OEM was too long



US Technologies Solution

- Customer was provided with a new, complete re-design which helped solve obsolescence issues
- The new robust design has a much higher degree of serviceability and durability
- Our solution was design and manufacture a more cost effective device (on-time and on-budget)