

Telephonics Corporation  
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Operation:

1. Production Test Operation.  
The Radar is setup on a tripod and 150 meters away a test target is set up.  
The Radar is put into the Automatic Track while Scan mode and the test target is observed.  
It serves a final production system test.
2. Experimental Test Operation.  
The radar is set up on a tripod and many different target types are run.  
(Walking Human, Vehicle, groups of walking humans.) At ranges of great than 20,000 meters away.  
The radar is now operated in different track modes looking to test target probability of detection, ultimate target detection rang, target tracking and azimuth accuracy etc.  
It serves to test and verify new technology insertion and obsolescent replacements.

The radar operates at a single channel at PRF of 5Kpps, Pulse Modulated 17.0uS pulse width and 183uS receive interval. Total period of 200uS.