

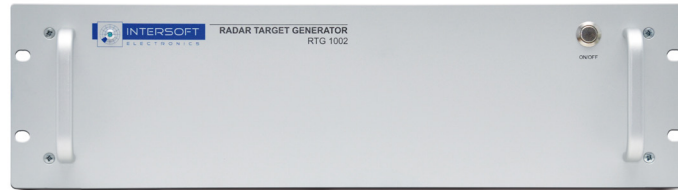


**INTERSOFT**  
ELECTRONICS

## RTG

### Radar Target Generator for PSR

The Radar Target Generator (RTG) simulates RF targets on-site or in-factory. It can be used on top of the real clutter background, interferences, and opportunity traffic, or it can be integrated in a lab test environment. It allows to evaluate radar KPI's and simulate complex scenarios.



RTG

## BENEFITS

- With RTG, you can test primary radar to its limits and gain **unrivalled system intelligence**. That allows to improve QoS.
- RTG counters the flaws of legacy test methods that use opportunity traffic, test flights or comparisons to SSR and ADS-B. Testing with RTG is **not bounded to the prevailing air traffic and environmental conditions**.
- RTG testing provides realistic measurement data of the same RF nature as real test flights do, but without their cost, operational impact and limitations. With RTG, there is no need for airborne test targets, making a **strong safety case**, particularly close to airports.
- Testing becomes **budget friendly and easy**.

RTG is the reference test equipment for a multitude of primary radar types including, but not limited to ASR, En-Route, Long-Range Early-Warning, Gap-filler, Counter Battery and shipboard CWIS radars.

## CAPABILITIES

- Preprogrammed targets and scenarios can be used to **evaluate Probability of Detection (Pd), Probability of False Alarms (Pfa), Range & Azimuth Accuracy, Range & Azimuth Resolution, Plot Latency and Plot Load Capacity.**
- **Targets fully programmable** in radar cross section (e.g. simulate drones or stealth aircraft), speed (even hypersonic), heading, etc.
- Target scenarios can also **simulate windfarm interference, Electronic Warfare (EW) jamming, 4G/5G interference, Ground/Sea clutter, weather or any other real-life encounter.**
- RTG can be synchronized with RES® (SSR Environment Simulator) to produce complex **combined PSR/SSR target scenarios** for full system evaluation, including Mode-S or Mode-5.
- Towertrack accessories available for **testing of counter battery and missile defense radars** by simulating ballistic trajectory targets with extreme precision.
- **Available for L/S, C and X band**, with provision for operation at higher frequency bands (e.g. Ka)

The Intersoft Electronics Group provides state-of-the-art technology for radar system integration and service life extension. It also houses high-tech manufacturing facilities and a growing Services organisation for CNS systems.

With a pedigree of 40 years in development, manufacturing and field services, Intersoft Electronics Group has become a reference in radar technology and CNS services worldwide.

Together we make the sky safer

