

SIMULATE | DETECT | DECEIVE



PRFS *Portable RF Simulator*



Portable RF Simulator (PRFS) is a modular compact solution to perform a subgroup of integration tests after the platform integration of Radar Warning Receivers (RWR), Electronic Support (ES) receivers and line-level maintenance/repair stages.

PRFS can simulate various pulse/scan modulations and be directed to the platform antennas via RF heads.

Modularity is provided with RF heads and has a display and buttons on which the operator can adjust signal parameters and observe indicators/warnings (error codes, battery status, etc.)—RF heads are powered by internal and external rechargeable batteries.

Threat Programming Software is provided to generate complex emitters with stagger, jitter, dwell-switch, and user-defined PRI parameters. Up to 8 preset threats download to RF heads via Ethernet or USB memory dongle.



Technical Specifications

- Frequency range: 0,5-18 & 18-40 GHz
- Pulse Width range 100 ns - 400 us
- PRI range: 10 us- 40 ms
- PRI types:
 - Stable
 - Stagger
 - Jitter
 - Dwell and switch
 - User defined
- Dimensions: 110 mm x 110 mm x 240 mm
- Operating Temperature: (-20°) - (+55°)
- Storage Temperature: (-40°) - (+70°)
- Power Supply: Battery (radiating RF up to 1 hour)
- Weight: 2,2 kg



Key Features & Benefits

- Testing RWR and ES receivers
- Programmable signal parameters
- Rugged, water and dust resistant
- Rechargeable Battery
- Display



Hacettepe Teknokent 6. AR-GE, A Block
Floor: 3 No: 21 Çankaya 06800 Ankara, Türkiye +90 312 210 18 20

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