

EMAG RADAR CALIBRATION SYSTEMS

Single Antenna Polarimetric Active Radar Calibrator (SAPARC)

L-Band SAPARC Specifications

- Variable RCS: 10-60 dBm²
- Bandwidth: 80MHz (centered on 1.27GHz)
- Cross-pol isolation: 30dB
- Short term stability: < 0.1dB / 2 hours
- Power source: AC (100V - 240V) and battery
- Battery operation time: 2hrs minimum
- Monitors transmission peak power and temperature
- Measures azimuth antenna patterns
- Data off-loading via a serial port to a laptop
- Data recording initiated by the presence of SAR pulses

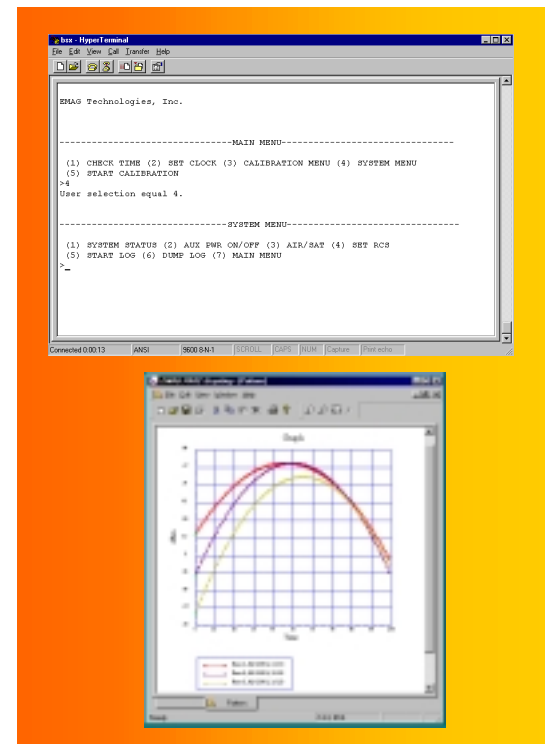


User Interface

- Serial communication interface
- Program up to three separate measurements (start, stop time, RCS setting, satellite/airplane mode)
- Manual measurement option

Data Extraction & Post-processing

- Extract data from device and export it to a standard CSV format file
- Post-processing for calculation of actual RCS and azimuth antenna patterns



EMAG Technologies, Inc.
1340 Eisenhower Place
Ann Arbor, MI 48108
Phone 734.973.6600x12
Fax 734.973.7220
www.emagtechnologies.com