

COMINT, Search and Surveillance Antenna Systems

These extremely wideband rotatable antenna systems are designed for radio monitoring, spectrum management, and radiolocation applications. A combination of directional and omnidirectional antennas are combined and installed on one positioning system to receive, vertically and horizontally polarized, signals over a wide frequency range. Key design features include:

- **Construction for outdoor use in extreme environmental conditions**
- **Simple Installation**
- **Compact size**
- **Modular Design**
- **Adaptable for custom applications**
- **High gain, narrow band antennas with high front to back ratio**
- **Extremely broadband omnidirectional active antennas for reception of vertical and horizontal polarizations.**

- A. **SAS-227**, a receiving antenna system for 20 MHz to 26.5 GHz This antenna system includes:
- 1) LPD-2010/A, directional, adjustable polarization
 - 2) PRA-118/A, directional, adjustable polarization
 - 3) PRA-1826/A1.5, directional, adjustable polarization
 - 4) ARC-1, Rotator

- B. **SAS-1500**, a receiving antenna system for 10 KHz to 5 GHz. The antenna system includes:
- 1) SAS-230, active omni, vertical polarization 20-3000 MHz
 - 2) LPD-8130/A1, directional, vertical polarization 80-1300 MHz
 - 3) LPD-8130/A1, directional, horizontal polarization 80-1300 MHz
 - 4) PRA-105/A4, directional, high gain horizontal and vertical polarization 1-5 GHz
 - 5) AVW-2/E, active, omni, vertical polarization 1 KHz-100 MHz
 - 6) Rotator ARC-100

- C. **LPC-3100/S**, A 30 to 1000 MHz dual polarization DF System using our rugged cross log periodic antenna mounted on a mast and azimuth pedestal ARC-250



SAS-227



LPC-3100/S