SAS-0518-C3275

This broad band Direction Finding system is designed for military and security signal surveillance applications. The system has a low band log-periodic antenna and a high band shaped fan beam reflector antenna. An azimuth positioner rotates at 200 RPM to provide fast signal updates. Features include rotary joint, slip ring, LNA, limiters and bypass switches. A set of biconical omni-directional antennas is provided for signal detection. The positioner and antenna amplifier switching can be remotely controlled through RS-232, RS-485, or Ethernet connections on the controller.

SPECIFICATIONS:

Frequency	Low Band: 500 to 2000 MHz High Band: 2 GHz to 18 GHz
Polarization (Omni and DF)	Slant 45 degree linear
Antenna Gain	Low Band: 6 to 9 dBi High Band: 9 to 20 dBi Omni: 0 dBi nominal
Amplifier Gain, NF	29 dB min Gain; 3.5 dB N.F.
Impedance	50 Ohms
VSWR	2.5:1 max
Az Beamwidth (3 dB)	Low Band: < 70 deg High Band: < 20 deg
Operating Temperature	-10˚ to +50˚C
Storage Temperature	-40˚ to +85˚C
Range of Motion/ Speed	Continuous Azimuth up to 200 RPM
Antenna Connectors	Two N-type Female (omni and DF)
Antenna/Radome Dimensions	38” diameter x 73” tall
Mounting	8 hole bolt pattern
Total Weight	315 lbs

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