The sector antenna systems offered by AWS are constructed from rigid aluminum extrusion; these units are powder coated and sealed with PTFE (Teflon) tape providing lightweight, rigid weatherproof units. They feature 50 ohm passive feeds that come standard with type N female connectors. Two different bracket systems are offered with these antennas: A) The super-heavy duty single point galvanized bracket system is designed for ease of installation and pole-top mounting. B) The all stainless steel 2-point scissor bracket gives increased stability and improved downtilt adjustment accuracy. Both brackets offer 100 deg of mechanical downtilt. The N connector is positioned on the front transmission side of the sector.

APPLICATIONS
- 2.4GHz ISM Band Applications
- Wireless Base Stations
- Wireless Broadband
- Wi-Fi Base Stations
- Wireless Internet

802.11a, 802.11g and 802.16

SPECIFICATIONS
- Weight
  - AWSSA24-12.6 lbs (5.7 kg)
  - AWSSA24-16 9.6 lbs (4.4 kg)
- Input Return Loss -14 dB
- Antenna Frequency Range 2400-2483 MHz
- Gain
  - AWSSA24-14 12.8 dBi
  - AWSSA24-16 16.5 dBi
- Beamwidth
  - AWSSA24-14 HPOL 95 degrees, VPOL 18 degrees
  - AWSSA24-16 HPOL 95 degrees, VPOL 7 degrees
- Polarization
  - Horizontal
- VSWR
  - 1.5:1
- Maximum Input Power
  - 100 W
- Impedance 50 Ohms

INTEGRATED ANTENNA PATTERNS AT 2450 MHz