Representing the latest in enhanced shipboard antenna designs, Harris’ AS-4305/U antenna provides Monopulse functions and is designed for use with the SLQ-20 system. Designed to meet stringent SPS-67 upgrade requirements, Harris’ AS-4305/U provides –

- Improved target identification
- Maintains current system weight using composite materials (only 78 lbs antenna weight)
- Sum and ISLS difference patterns.
- 25 dB Sidelobe Suppression

In conjunction with an AS-3828A C-Band radar, and AB-1337A pedestal, the AS-4305/U forms the OE-374A/SPS67(V4) Antenna Group.

Harris’ AS-4305/U is designed to support upgrades of the SPS-48 and SPS-49 systems and is compatible with existing mounting requirements for these systems.

**SPECIFICATIONS FOR: AS-4305/U – SPS67(V4) ANTENNA**

### ELECTRICAL
- **Frequency Range**: Classified
- **VSWR**: 2.5:1 max
- **Impedance**: 50 Ohms
- **Polarization**: Vertical
- **Beam Coverage**: Omnidirectional Sum & ISLS Difference
- **Sidelobe Suppression**: 25 dB
- **Feed Circuit**: Series Corporate

### MECHANICAL
- **Connector**: Dimensions
  - **AS-4305/U**: 8 ft x 10.25 in. x 11.25 in.
  - **Height (Overall System)**: 52 in. max
- **Diameter**: AB-1337A, 113 in. max
- **Weight (System)**:
  - **AS-4305/U**: 536 lbs max
  - **AS-3828A**: 78 lbs
  - **AB-1337A300 lbs**: 128 lbs
  - **300 lbs**: 300 lbs
- **Mounting**: Compatible with SPS-48 and SPS-49 requirements
- **Finish**: Gray epoxy polyamide

### ENVIRONMENTAL
- **Vibration**: MIL-STD-167, Type 1
- **Shock**: MIL-S-901C, Grade A
AS-4305/U – SPS67(V4)
Antenna

INCHES [CENTIMETERS]

Consult with factory for mounting specifications.