



PRODUCT DESCRIPTION

Model Number	AS-4454/KSQ-1
Part Number	AS-4454/KSQ-1
NSN	5985-01-472-3134
Market	Military–Sea

The AS-4454 Antenna is designed for use with a Position Location Reporting System (PLRS) Shipboard Radio Set. The antenna is produced to meet the requirements of the U.S. Army CECOM Specification A3005036. This includes a Mean Time Between Failure of more than 100,000 hours, capability of operation in 55 knot winds with gusts up to 85 knots, and capability of operation with 4.5 pounds of per square inch of ice coating on the antenna.

PRODUCT SPECIFICATIONS

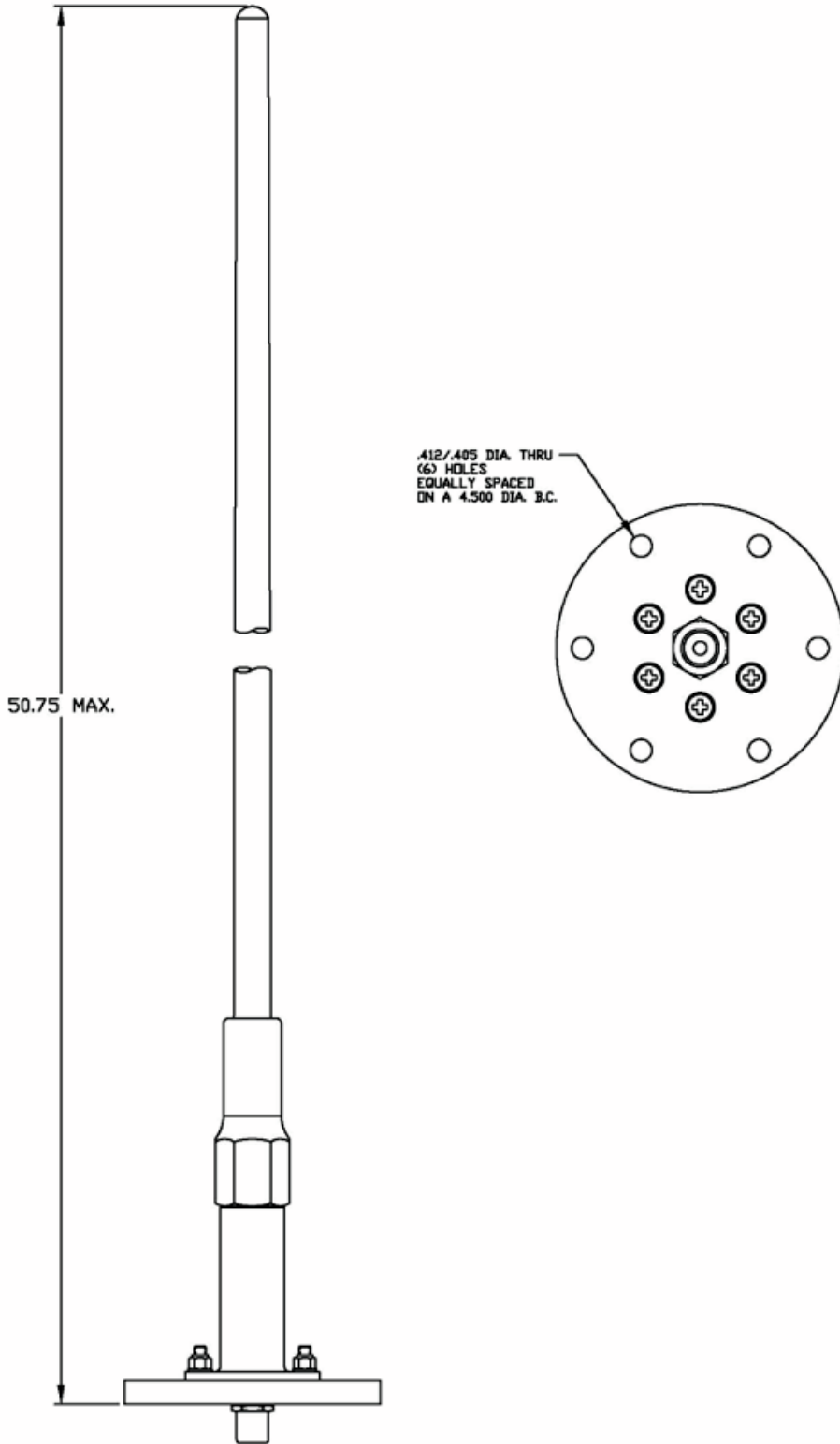
Application	Position Locating and Reporting
Frequency	420–450 MHz
Impedance	50 Ohms Nominal
VSWR	2.25:1 Maximum
Polarization	Vertical
Pattern	Omni-Directional
Connector	“N” Male
Max Weight	6 lbs.
DC Resistance at Input	7,500 Ohms ± 10%
RF Power Capacity	10 Watts CW, 200 Watts Peak, 2% Duty Cycle, 1 Millisecond on Time
Gain	4 dBi Minimum
Directivity	Horizontal
Vertical Beamwidth (degrees)	25° Minimum between -3 dB Points in Free Space
Color	CARC Green



The Antenna Professionals

AS-4454/KSQ-1

LOUD & CLEAR®



(not to scale)

