



# PROCUREMENT SPECIFICATION

**TITLE:** MSE, Conc, Signal Mobile Antenna

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REV	CCO	DESCRIPTION OF CHANGE	DATE	APPROVALS	
A	14205	INITIAL RELEASE	01/30/99	Quality Eng.	B. Gorsline
			02/01/99	Mfg. Eng.	P. Wright

## REVISION HISTORY

A1	19095	Correct description	11/30/99	Quality Eng.	B. Gorsline
			11/30/99	Mfg. Eng.	P. Jones
B	29632	Correct max. length	01/30/01	Engineering	Ron Grove
C	51368	Change cable length tolerance	05/14/04	Engineering	R. Marks

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## 1.0 SCOPE

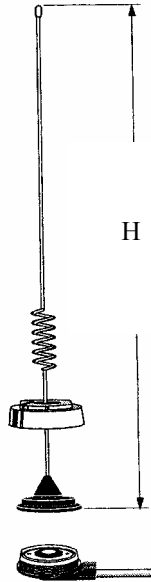
This specification is the primary procurement document for a Concentrator signal mobile antenna.

## 2.0 ELECTRICAL REQUIREMENTS

Frequency: 928-960 MHz  
Gain: 3 dB over quarter wave  
VSWR: <1.5:1  
Power: 60W with Ultralink coax and 50 W with RG 58 coax

## 3.0 MECHANICAL REQUIREMENTS

Length(H) = 12-1/2" (REF)  
Radiation Pattern: Omnidirectional



## 4.0 ENVIRONMENTAL REQUIREMENTS

Lightening Protection: Direct ground on UHF  
Windload: 100 mph

## 4.0 PHYSICAL REQUIREMENTS

Radiator: Stainless steel-0.070"

## 5.0 PACKAGING/HANDLING

Mark container with Itron Part Number and quantity.

## 7.0 PROCUREMENT REQUIREMENTS

Parts must be procured from an engineering approved source specified by the Approved Manufacturer(s) List.

No change shall be allowed in production material or processes used in manufacturing the part covered by this specification, without prior notification and approved by ITRON.

## 8.0 APPLIED DOCUMENTS

No special requirements