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Superior then, Superior now.

SC2340-HMBSNF(D00)

Tri-Band Light-duty Omni Antenna, 136-869 MHz

- Universal Coverage: Covers VHF, UHF, and 700/800 MHz in one unit.
- Inventory Efficiency: One stocking SKU replaces multiple discrete band antennas.
- Ruggedized Design: UV-protected fiberglass built for extreme ice and wind conditions.
- Rapid Deployment: Light-weight low-profile design & integrated clamp.

The Sinclair SC2340-HMBSNF(D00) is a high-performance, tri-band omnidirectional antenna designed to meet the rigorous demands of global Land Mobile Radio (LMR) and mission-critical networks. By integrating VHF (136-174 MHz), UHF (380-520 MHz), and 700/800 MHz bands into a single, ruggedized radome, this antenna addresses all of the discrete LMR frequencies in one unit.

For distributors and system integrators, the SC2340 can serve as a Universal Stocking Item. Its ultra-wideband architecture allows partners to consolidate inventory by replacing numerous narrow-band models with a single, reliable SKU. This ensures immediate availability for both local emergency requirements and large-scale global projects, significantly reducing lead times and logistical complexity.

Beyond standard infrastructure, the SC2340's durable construction is designed for the high operational reliability required in maritime, tactical, and public safety verticals. To support specialized deployment platforms—including vehicle-based, shipboard, or military applications—Sinclair can accommodate customizations, such as mounting hardware, higher power, and/or radome aesthetics. These tailored solutions are available to meet specific mission profiles and are subject to a Minimum Order Quantity (MOQ).

Engineered for years of service, the SC2340 features a UV-protected fiberglass radome that maintains technical integrity in a wide range of environments.

Product may not appear exactly as picture due to ongoing improvements

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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TALLEY®

Antennas
Multi-band Antennas
SC2340 Series

Electrical Specifications				
Frequency range	VHF	MHz	136 to 174	
	UHF	MHz	380 to 520	
	700/800	MHz	698 to 869	
Impedance		Ω	50	
VSWR	Typ		2.0:1	
	Max		2.5:1	
Gain	VHF	dBd (dBi)	-2 (0.1)	*1
	UHF	dBd (dBi)	-1 (1.1)	*2
	700/800	dBd (dBi)	-4 (-2.1)	*3
Polarization			Vertical	
Pattern			Omni-directional	
Connector			N Female	
Vertical Beamwidth		Degrees	72	*4
Average Input Power (max)		W	100	*5
Main Beam Electrical Downtilt		degrees	0	

Notes
*1: ±1dB
*2: ±1.5dB
*3: ±2dB
*4: ±10%
*5: 100W max (136-520 MHz); 50W max (698-851 MHz); 30W max (851-869 MHz)

Mechanical Specifications			
Antenna Dimensions	Height	In (mm)	56.5 (1435)
	Width	In (mm)	3.5 (89)
	Depth	In (mm)	1.9 (48)
Radome Diameter		In (mm)	1 (25)
Radome Material			Fiberglass (UV protected)
Radome Colour			Blue
Weight		lbs (kg)	3 (1.36)
Mounting Hardware (Included)			2 x U bolt & nuts (for masts of 1.26-2.36"/32-60mm OD.)
Mounting Configuration			Upright
Shipping Weight		lbs (kg)	5 (2.27)
Shipping Dimensions		In (mm)	61x5x5 (1549x127x127)

Environmental Specifications		
Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.3 (0.03)
Wind Loading Area (1/2" ice)	ft² (m²)	0.5 (0.05)
Rated wind velocity (no ice)	mph (km/h)	210 (338)
Rated wind velocity (1/2" radial ice)	mph (km/h)	140 (225)
Lateral Thrust (100 mph No Ice)	lbs (N)	10.2 (45.4)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	19.4 (26.2)
Tip deflection (100 mph No Ice)	degrees	1

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