

SC442D-HF2LDF(D00-I40-G09) Dual port 9 dBd collinear antenna, 40dB isolation, 806-960 MHz

- Nominal 9 dBd gain over entire 806-960 MHz range
- Dual port, 500 Watts power handling
- -150 dBc PIM rated
- Heavy Duty

**Recommend SMK-345-A7 kit for offset side mounting. Available from Sinclair separately. Complies with EIA-3296F standard.**

Sinclair's new SC442D-HL PIM Certified series of antennas are broadband, dual feed, 9 dBd gain, heavy duty, omni-directional antennas that cover the entire 806-960 MHz frequency range. They are constructed to minimize Intermodulation products in multi-carrier systems. The SC442D-HL series of antennas are ideal for applications requiring a broad band antenna with limited towerspace.



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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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### Electrical Specifications

Frequency Range	MHz	806 to 960
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	9 (11.1)
VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	6
Average Power Input (max)	W	500
Isolation port to port	dB	40
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground
Electrical tilt (available)		0-10 degrees *1

### Notes

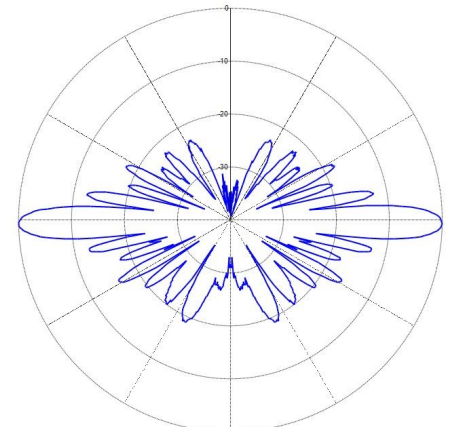
\*1 : 1 degree increments

### Mechanical Specifications

Width	in (mm)	5 (127)
Depth	in (mm)	5 (127)
Length/ Height	in (mm)	243 (6172)
Base pipe diameter	in (mm)	5 (127)
Base pipe mounting length	in (mm)	30 (762)
Radome material		fiberglass (UV protected)
Weight	lbs (kg)	78 (35.41)
Weight iced (1/2" ice)	lbs (kg)	140 (63.56)
Mounting Hardware (Optional)		Clamp006C
Recommended For Offset Side Mount:		SMK-345-A7
Mounting configurations		upright, inverted
Actual shipping weight	lbs (kg)	119 (54.03)
Shipping dimensions	in (mm)	255x7x7 (6477x178x178)

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	5.11 (0.47)
Wind Loading Area (1/2" ice)	ft² (m²)	6.23 (0.58)
Rated wind velocity (no ice)	mph (km/h)	175 (282)
Rated wind velocity (1/2" radial ice)	mph (km/h)	150 (242)
Lateral Thrust (100 mph No Ice)	lbs (N)	201 (894)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	1540 (2079)
Tip deflection (100 mph No Ice)	degrees	2.4



Vertical, 0° downtilt

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