

ST321R-SF2SNF(CWH) Mobile omni, 0 dBd, 20 MHz B.W., N-female, White, 420-440 MHz

Also referred as: EXCAL321RNF\*2W

- For use in both fixed and mobile installations
- Renown for its years of reliable service in very harsh environmental conditions

**Minimum 30" x 30" ground plane is required.**

Sinclair's radome-enclosed ST321R series of antennas is designed for a variety of mobile applications: railroad locomotives, taxis, police cars, emergency vehicles, buses and trucks.

Fire retardant radome is available.



www.sinctech.com

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com
Product Specification Sheet EPR 016270 Customer Tech Manual 005665		ST321R-SF2SNF(CWH)	Issue: 11	Dated: 05-11-20 Dated: 05-11-20

### Electrical Specifications

Frequency Range	MHz	420 to 440	
Bandwidth	MHz	20	
Connector		N-Female	
Gain (nominal)	dBd (dBi)	unity (2.1)	*1
Input VSWR (max)		2:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni-directional	*2
Average Input Power (max)	W	50	
Lightning protection		DC ground	

### Notes

- \*1 : Similar to 1/4 wave monopole.
- \*2 : Similar to 1/4 wave monopole.

### Mechanical Specifications

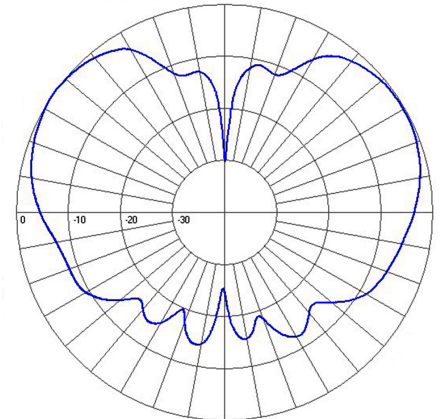
Width	in (mm)	3.8 (97)
Length/ Height	in (mm)	3 (76)
Length	in (mm)	11.8 (300)
Radome material		ABS (white)
Mounting hardware		Supplied
Actual shipping weight	lbs (kg)	5 (2.27)
Shipping dimensions	in (mm)	13x8x5 (330x203x127)
Ground Plane (min)	in (mm)	30x30

### Ordering Information

Specify operating frequency.

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
-------------------	---------	--------------------------



**Elevation**

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com