

ProCurve Networking

J9000A  
14 dBi 5GHz  
Directional Antenna



Specifications

Table of Contents – J9000A

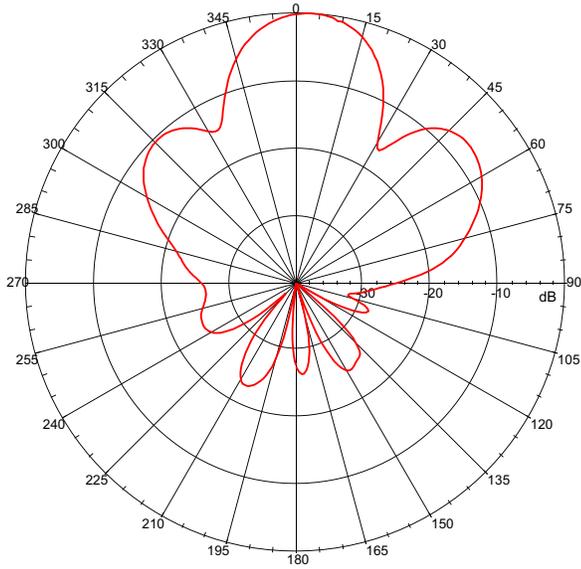
Technical Specifications.....3  
Radiation Patterns .....4  
Illustration & Mounting.....6

## Antenna Specifications – J9000A

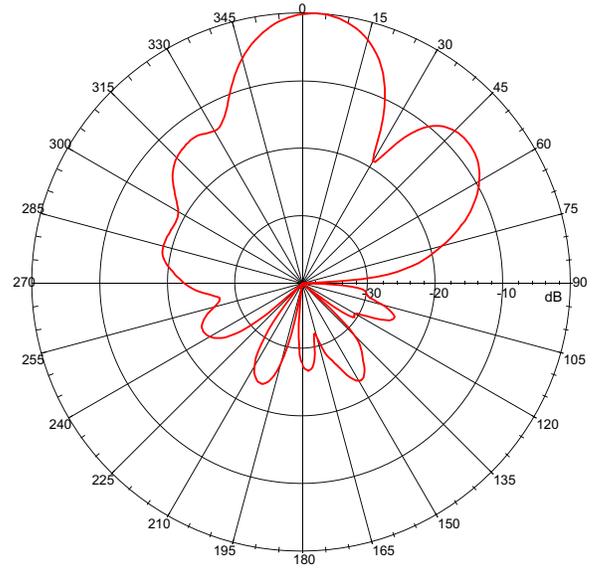
Item	Specification
HP Product Number	J9000A
Cushcraft Part Number	S51514WPH33RSM
Frequency (MHz)	5150-5875
Gain w/specified cable (dBi)	13.3
VSWR max	2.0:1
E-Plane (3dB beamwidth)	27°
H-Plane (3dB beamwidth)	29°
Polarization	Linear (vertical)
Impedance (Ohms)	50
Front to back ratio (dB)	17
Dimensions in. (cm)	4.16 x 4.16 (10.6 x 10.6)
Weight lb. (kg)	0.7 (0.3)
Height in. (cm)	1.375 (3.5)
Mounting Style	Flush wall mount
Wind Surface Area ft <sup>2</sup> (m <sup>2</sup> )	0.12 (0.011)
Wind Survival mph (km/hr)	120 (193)
Enclosure	PVC / Acrylic
RF Connector	Rev. SMA (m)
Pigtail	33-inch CMP Plenum
Storage Temperature (min/max)	-40° to +65°C
Operating Temperature (min/max)	-30° to +55°C

# S51514WP

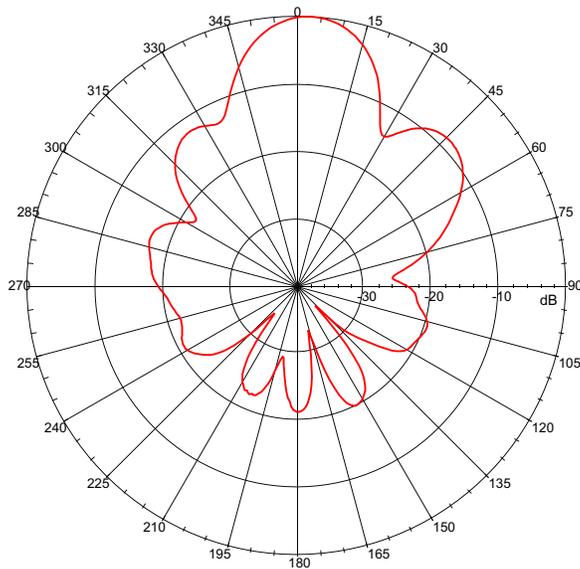
5.150 GHz E Plane



5.500 GHz E Plane

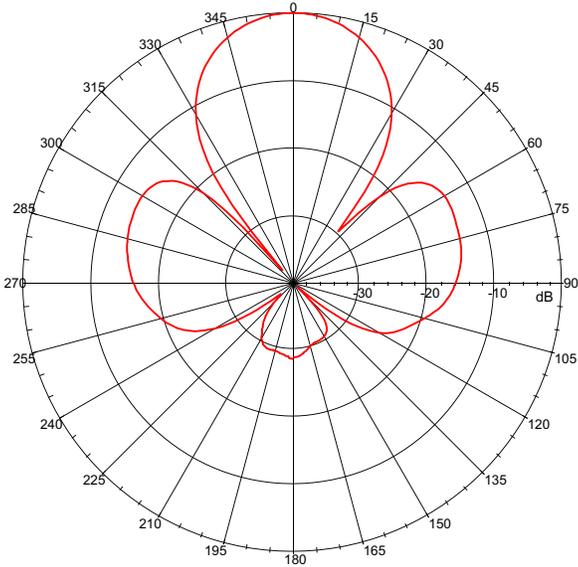


5.875 GHz E Plane

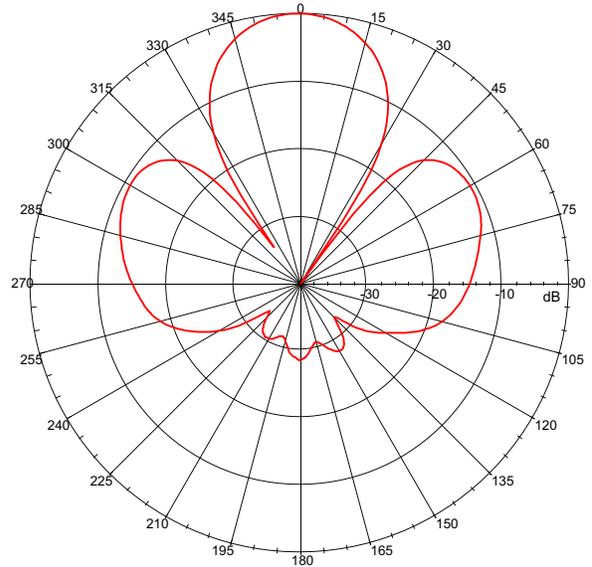


# S51514WP

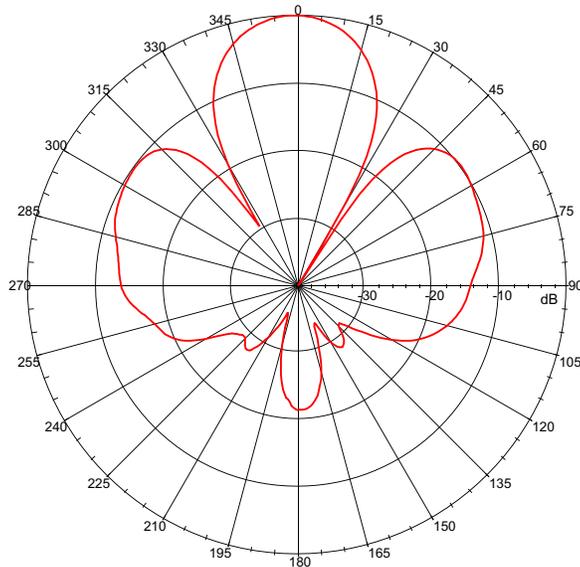
5.150 GHz H Plane



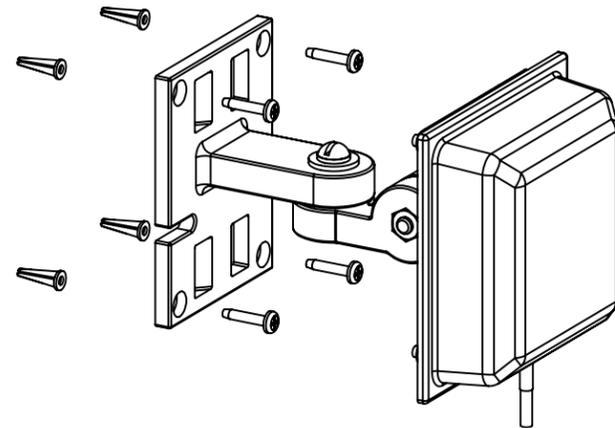
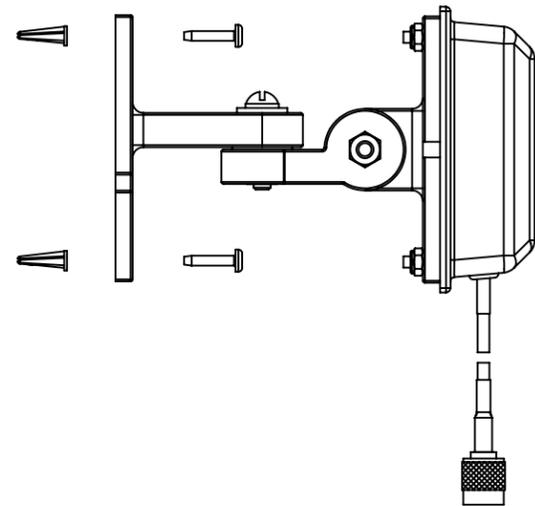
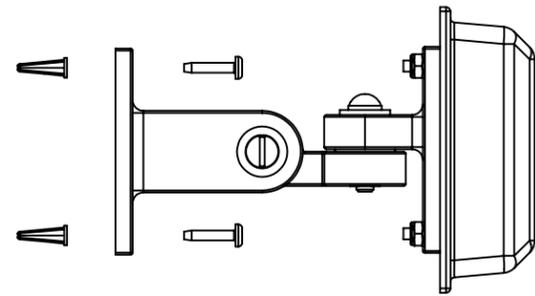
5.500 GHz H Plane



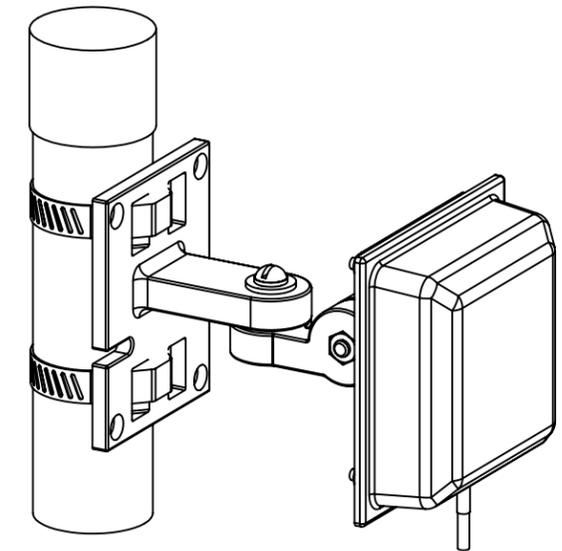
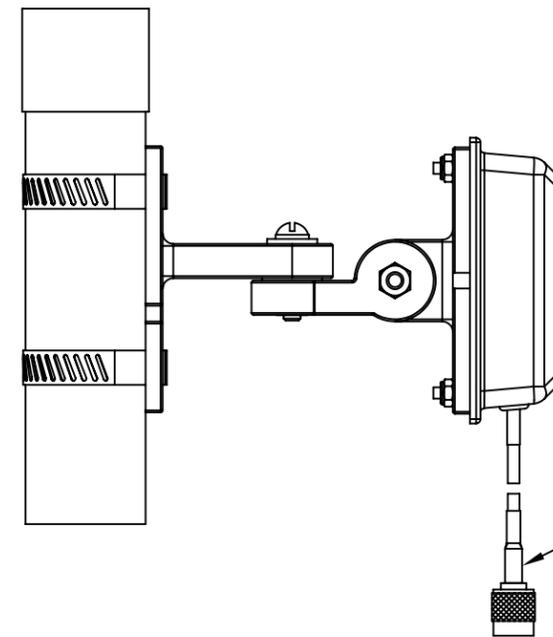
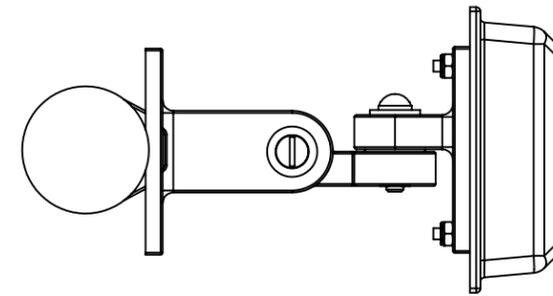
5.875 GHz H Plane



REVISION			
LTR	DESCRIPTION	DATE	INITIAL
AA	ORIGINAL	9-9-05	SWJ



WALL MOUNT CONFIGURATION



MAST MOUNT CONFIGURATION

BLUE HEAT SHRINK SLEEVE

Parameter	Performance
Model Number	S51514WPH33RSM
HP Part Number	J9000A
Frequency	5.150-5.875 GHz
Gain (w/33" cable)	13.3 dBi nominal
Polarization	Linear Vertical
VSWR	2.0:1
H Plane 3 dB Beamwidth	29 deg.
E Plane 3 dB Beamwidth	27 deg.
Front to Back Ratio	17 dB
Pigtail	33"
Cable Type	CMP Plenum Rated
RF Connector	Rev. SMA (m)
Power	10 W
Weight (W/Mount)	0.70 lbs

MOUNTING HARDWARE

QTY	Description	
2	1/4-20 X 1-1/4" SS MS	
2	1/4" SS FLAT WASHER	
2	1/4" SS SPLIT LOCK WASHER	
2	1/4-20 SS HEX NUT	
4	#8-32 SS/NYLON HEX NUT	
4	#8 PLASTIC WALL ANCHOR	
4	8/18 X 3/4" SS MS	
1	ALL-PURPOSE MOUNT ARM	
1	ALL-PURPOSE WALL MOUNT	
1	ALL-PURPOSE ANT. MOUNT	
2	WORM CLAMPS	

MATERIAL:	DRAWN S JOHNSON	DATE 9-9-05	<b>CUSHCRAFT</b> 48 PERIMETER ROAD MANCHESTER NH. 03108
	ENGINEER J MORROW	DATE 9-14-05	
DO NOT SCALE DRAWING	ENGINEERING MGR A ALEVY	DATE 9-14-05	TITLE: <b>S51514WPH33RSM MOUNTING &amp; OUTLINE</b>
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: ANGLES ±2° FRACTIONS ±1/16" .XX ±0.030" .XXX ±0.015"	FINISH:		DRAWING NO. S51514WPH33RSMMO
			REV AA
			SCALE NONE SIZE B SHEET 1 OF 1

CONFIDENTIAL  
© 2005, Cushcraft Corporation. Information contained in this document is of a proprietary and/or legally privileged nature. It may not be reproduced without express written permission of Cushcraft Corporation, Manchester, NH.