

ProCurve Networking

J8998A  
6 dBi 5GHz  
Omni Antenna



Specifications

Table of Contents – J8998A

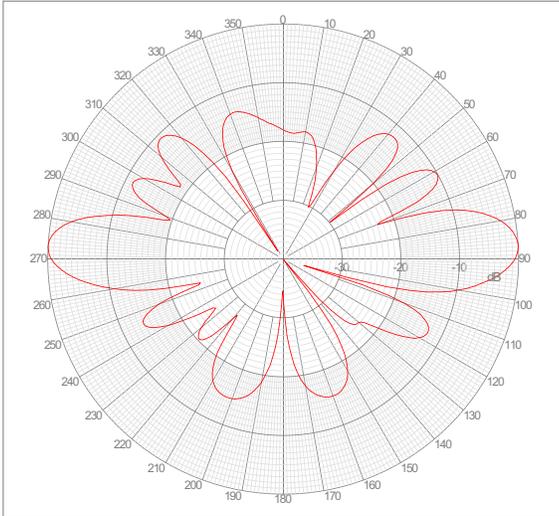
Technical Specifications.....3  
Radiation Patterns .....4  
Illustration & Mounting.....6

## Antenna Specifications – J8998A

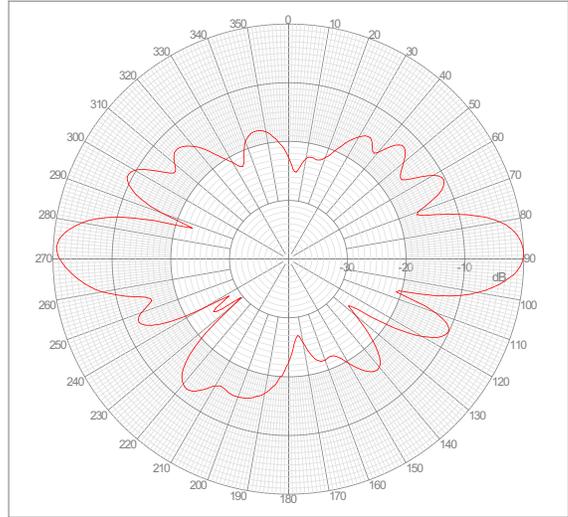
Item	Specification
HP Product Number	J8998A
Cushcraft Part Number	S5153WBPH33RSM
Frequency (MHz)	5150-5875
Gain w/specified cable (dBi)	6.3
VSWR max	2.0:1
E-Plane (3dB beamwidth)	17°
H-Plane (3dB beamwidth)	Omnidirectional
Polarization	Linear (vertical)
Impedance (Ohms)	50
Front to back ratio (dB)	N/A
Weight lb. (kg)	0.3 (0.135)
Dimensions in. (cm)	1.125 (2.85) diameter
Height in. (cm)	11.56 (29.36)
Mounting Style	ceiling, mast, I-beam
Wind Surface Area ft <sup>2</sup> (m <sup>2</sup> )	0.09 (0.0084)
Wind Survival mph (km/hr)	120 (193)
Enclosure	Polycarbonate, White
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

# SS 153WBPX

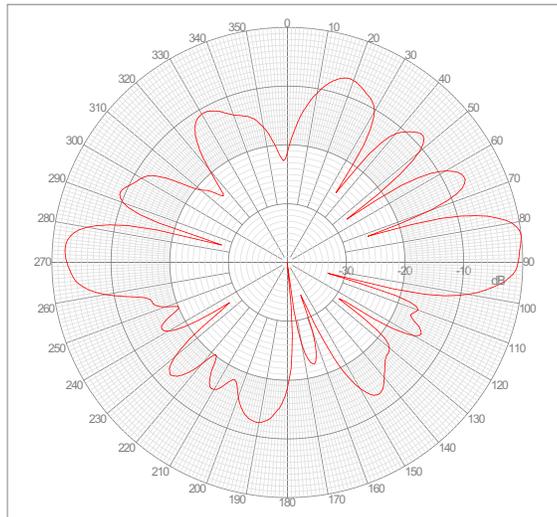
5.150 GHz E-Plane



5.500 GHz E-Plane

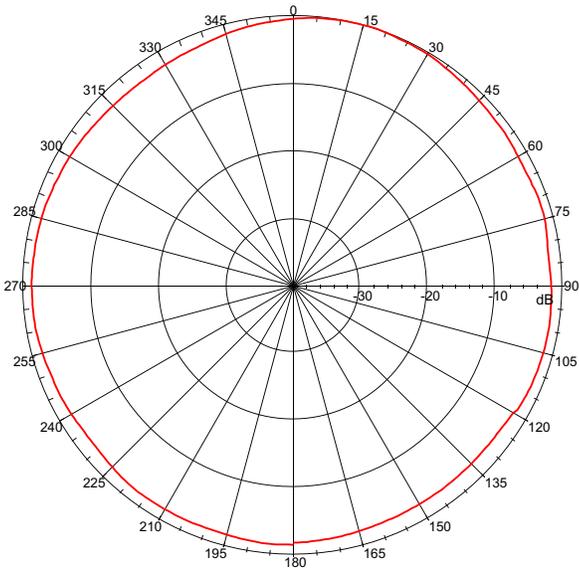


5.875 GHz E-Plane

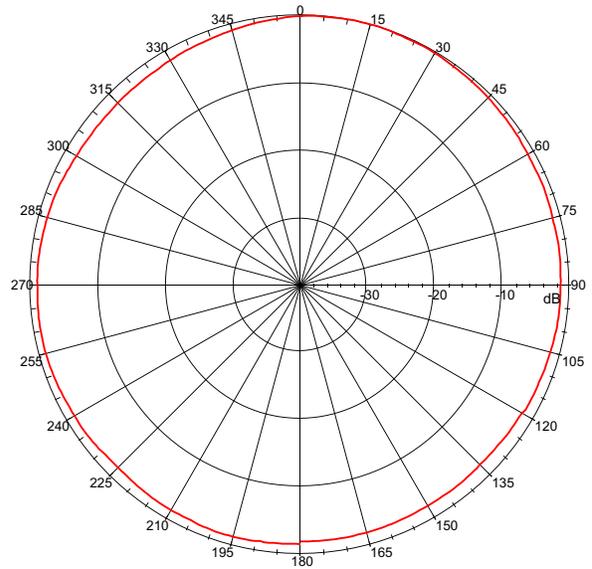


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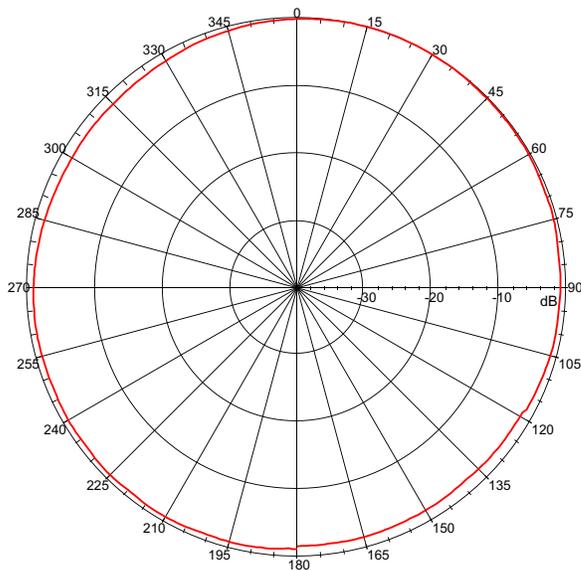
5.150 GHz H-Plane



5.500 GHz H-Plane



5.875 GHz H-Plane



REVISION			
REV	DESCRIPTION	DATE	INITIAL
AA	ORIGINAL	9-2-05	MJT

**MOUNTING HARDWARE**

QTY	Description	
1	CEILING MOUNT ADAPTOR PLATE	
2	#6-32 X 1/4" SS SCREW	
2	#6 INT. TOOTH LOCK WASHER	
1	1/4" INT. TOOTH LOCK WASHER	
1	CEILING HANGER BRACKET	
1	5/16-18 U-BOLT	
4	5/16" SS LOCK WASHER	
6	5/16-18 SS HEX NUT	
2	OMNI CLAMP	
1	MAST CLAMP	
2	5/16 SS FLAT WASHER	
1	1/4 SS FLAT WASHER	
1	1/4 SS LOCK WASHER	
1	1/4-20 X 1/2 SS HEX HEAD	
1	I-BEAM CLAMP	

Parameter	Performance
Model Number	S5153WBPH33RSM
HP Part Number	J8998A
Frequency	5.150-5.875 GHz
Gain (W/33" Cable)	6.3 dBi Nominal
Polarization	Linear Vertical
VSWR	2:1 Typical
Elevation Plane 3 dB Beamwidth	17 Degrees
Azimuth Plane 3 dB beamwidth	Omnidirectional
Pigtail	White Plenum Cable, 33" Exposed
RF Connector	REV-SMA(M)
Power	50 Watts
Weight (Antenna)	0.3 lb

**CEILING MOUNT CONFIGURATION (INDOOR ONLY)**

MATERIAL:	DRAWN	DATE
N/A	M TEITSCH	9-2-05
	ENGINEER	DATE
	R CHICOINE	9-15-05
DO NOT SCALE DRAWING	ENGINEERING MGR	DATE
	T PETROPOULOS	9-15-05
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	FINISH:	
ANGLES ± 0.5°	N/A	
FRACTIONS ± 1/64"		
.XX ± 0.010"		
.XXX ± 0.005"		

<b>CUSHCRAFT</b>		
48 PERIMETER ROAD MANCHESTER NH. 03108		
TITLE:		
<b>S5153WBPH33RSM</b>		
<b>MOUNTING &amp; OUTLINE</b>		
DRAWING NO.	REV	
S5153WBPH33RSMM0	AA	
SCALE	SIZE	SHEET
1:2	B	1 OF 1

11-9/16

1-1/8

BLUE HEAT SHRINK SLEEVE

MAST DIAMETER  
1-1/4"-2-1/8"

**MAST MOUNT CONFIGURATION**

**I-BEAM CLAMP CONFIGURATION (INDOOR ONLY)**

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