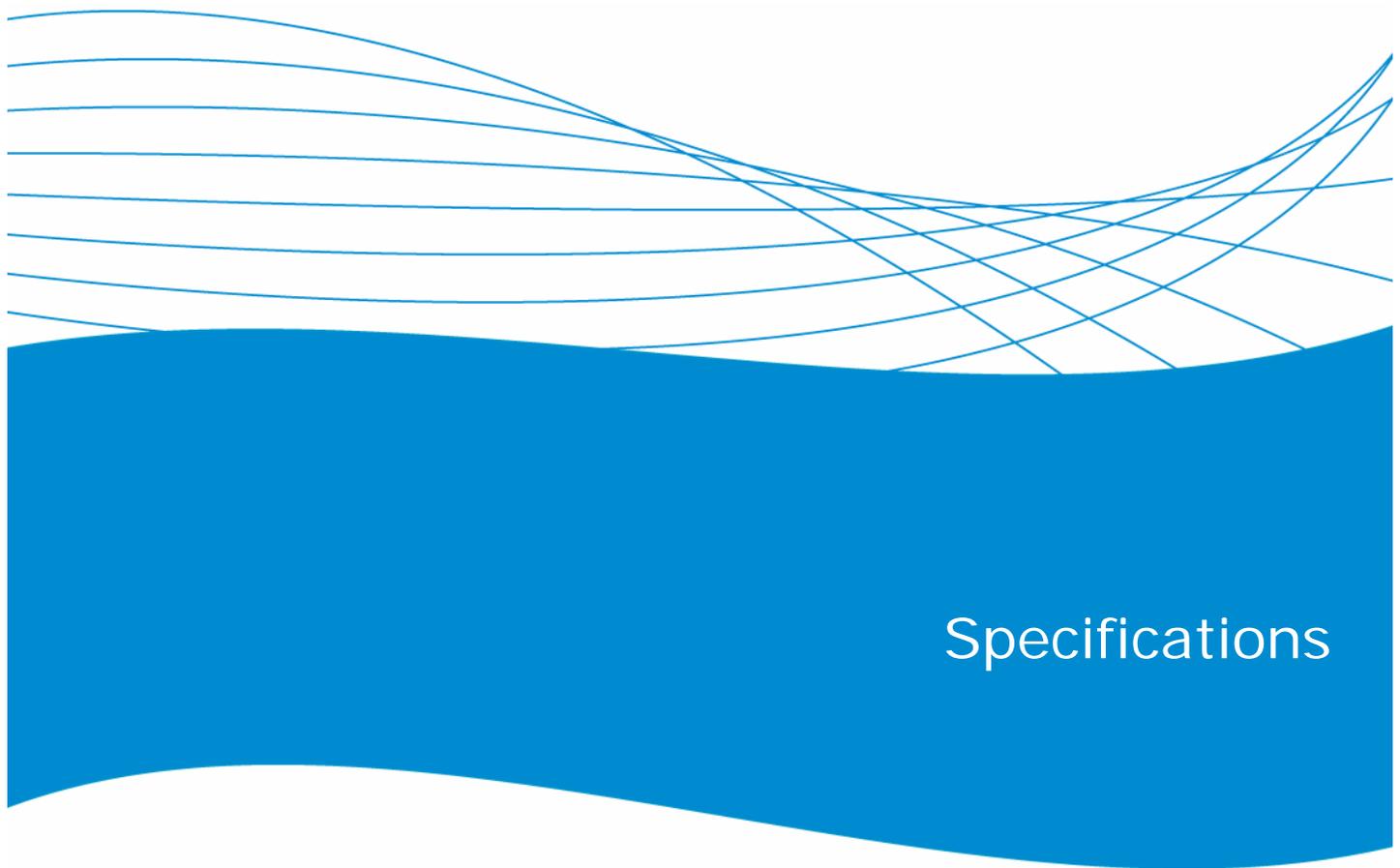


ProCurve Networking

J8999A

7 dBi dual-band Directional Antenna



Specifications

Table of Contents – J8999A

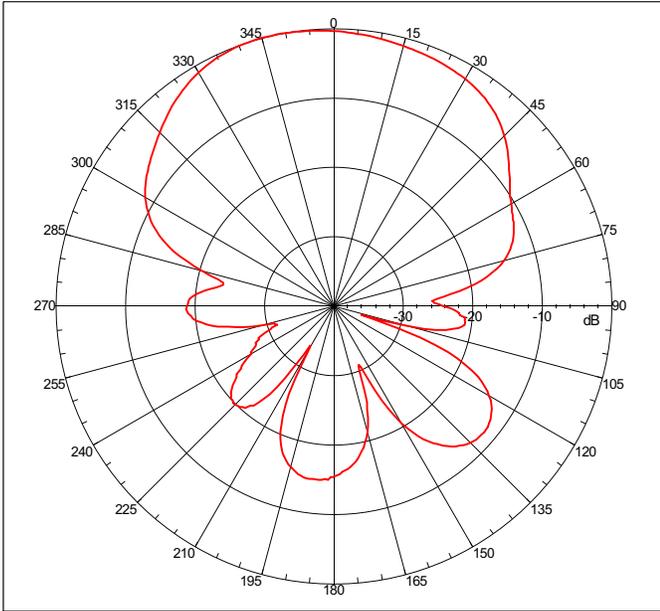
Technical Specifications.....3
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Antenna Specifications – J8999A

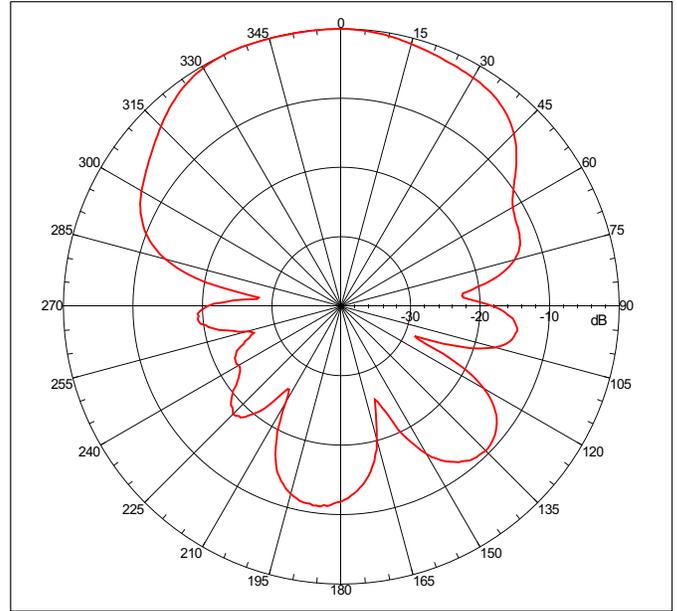
Item	Specification
HP Product Number	J8999A
Cushcraft Part Number	S24497PH33RSM
Frequency (MHz)	2400-2500 / 4900-5990
Gain w/specified cable (dBi)	6.9 / 7.7
VSWR max	2.0:1
E-Plane (3dB beamwidth)	66° / 60°
H-Plane (3dB beamwidth)	68° / 52°
Polarization	Linear (vertical)
Impedance (Ohms)	50
Front to back ratio (dB)	10 / 15
Weight lb. (kg)	0.5 (0.225)
Dimensions in. (cm)	5.156 x 5.156 (13.1 x 13.1)
Height in. (cm)	1.375 (3.49)
Mounting Style	Flush wall mount
Wind Surface Area ft ² (m ²)	0.12 (0.0006)
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

S24497P

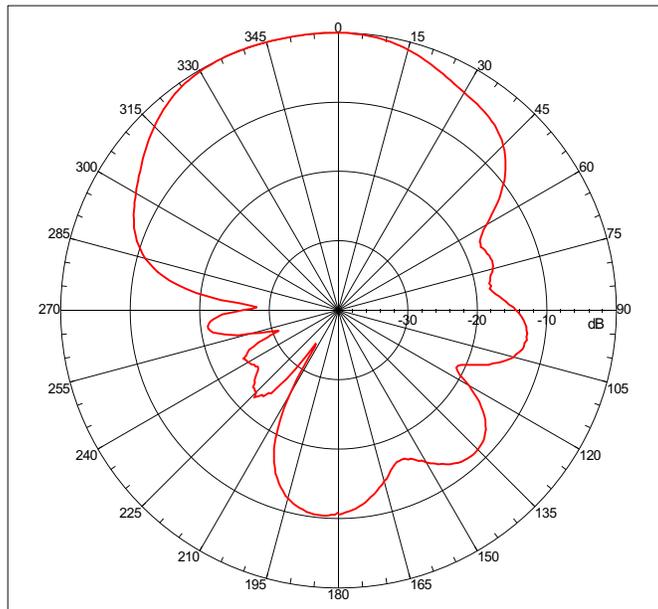
S24497
E Plane 2.4 GHz



S24497
E Plane 2.45 GHz

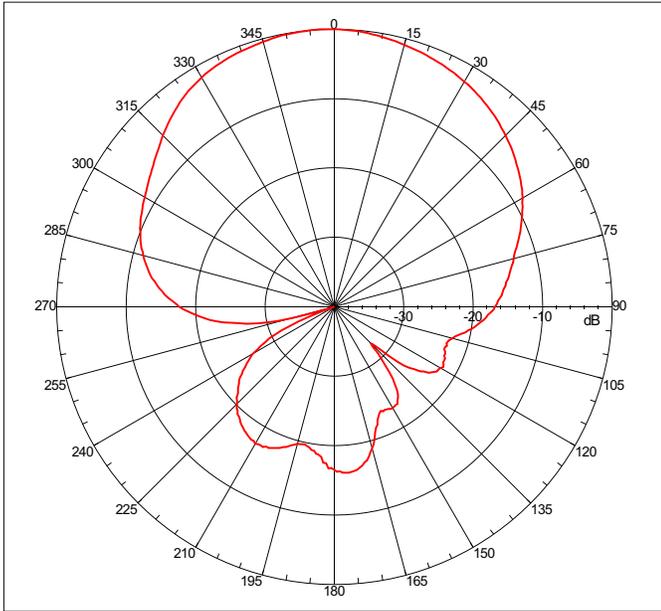


S24497
E Plane 2.5 GHz

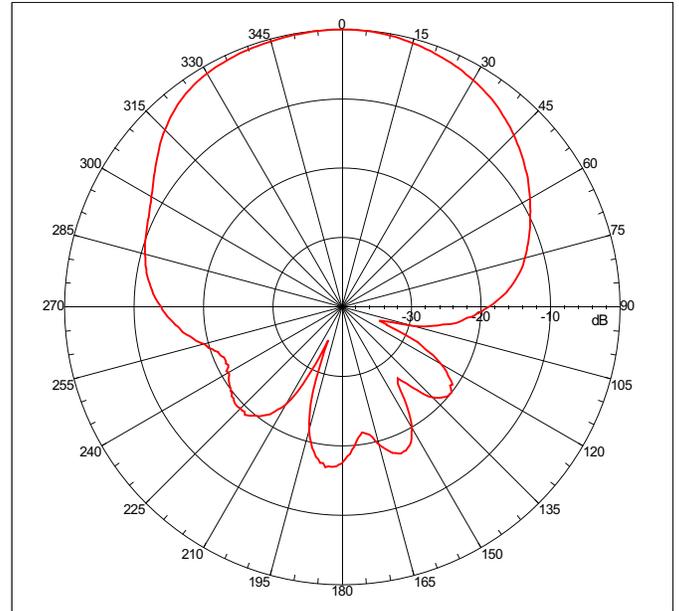


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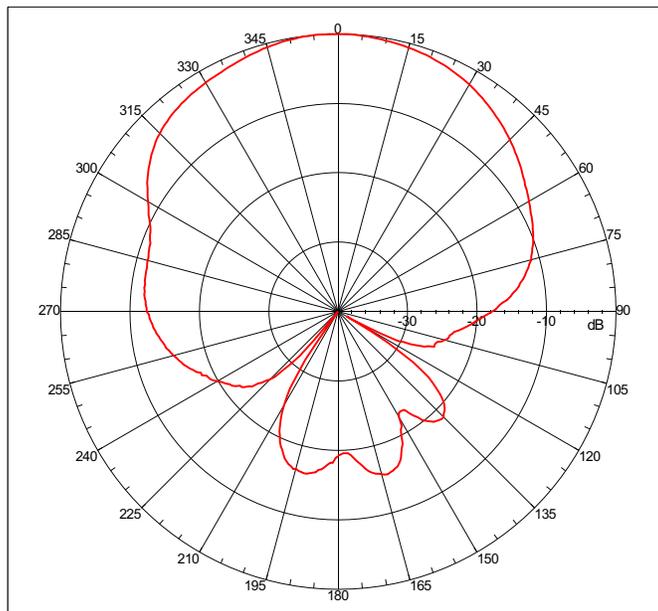
S24497
H Plane 2.4 GHz



S24497
H Plane 2.45 GHz

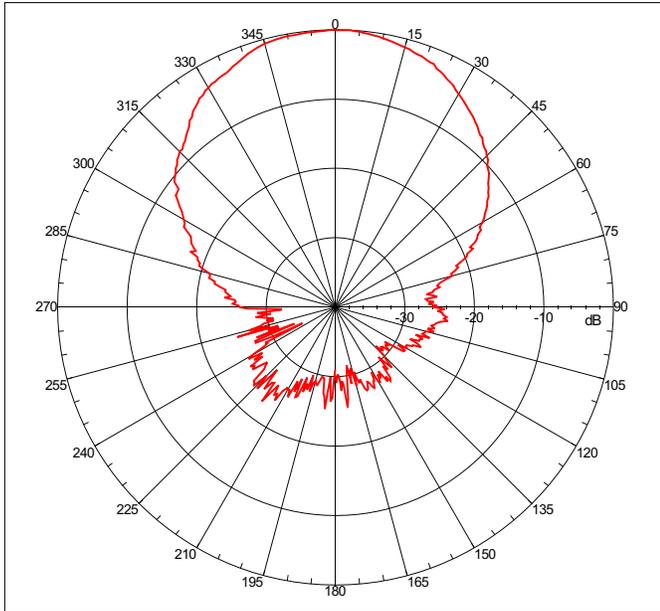


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H Plane 2.5 GHz

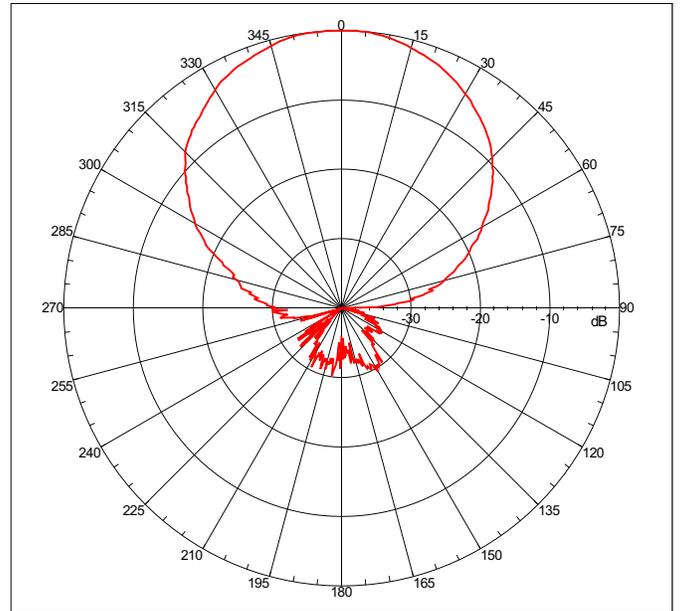


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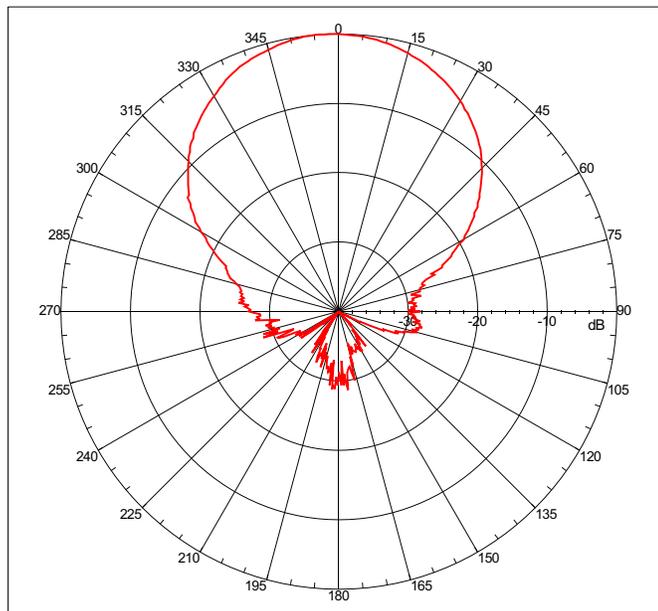
S24497
E Plane 4.90 GHz



S24497
E Plane 5.15 GHz

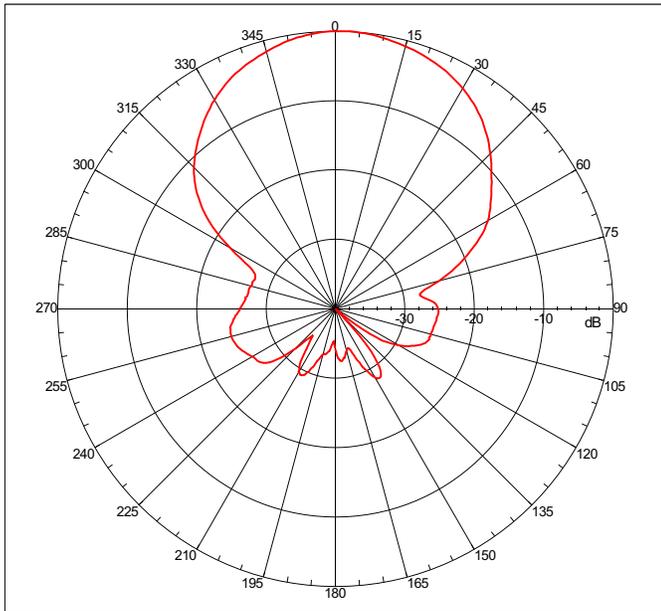


S24497
E Plane 5.45 GHz

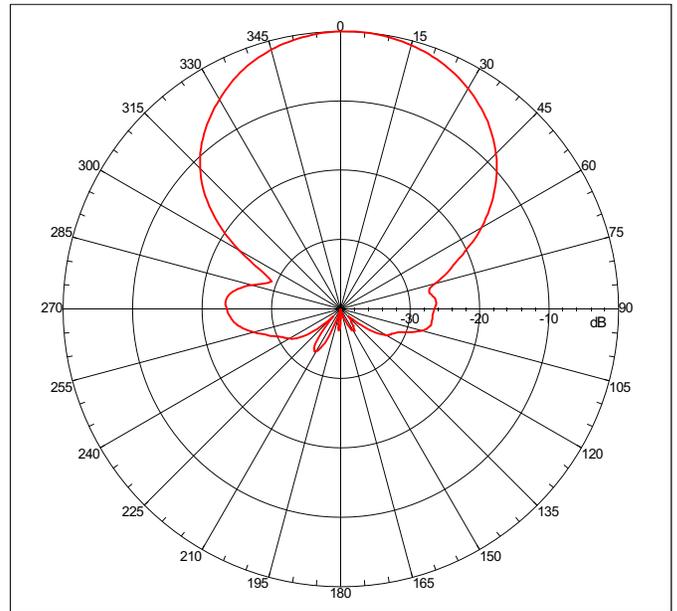


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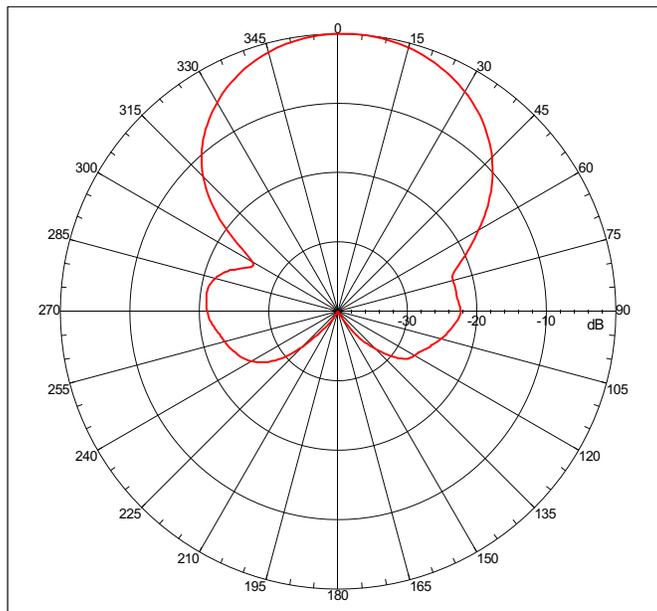
S24497
HPlane 4.9GHz



S24497
HPlane 5.150 GHz

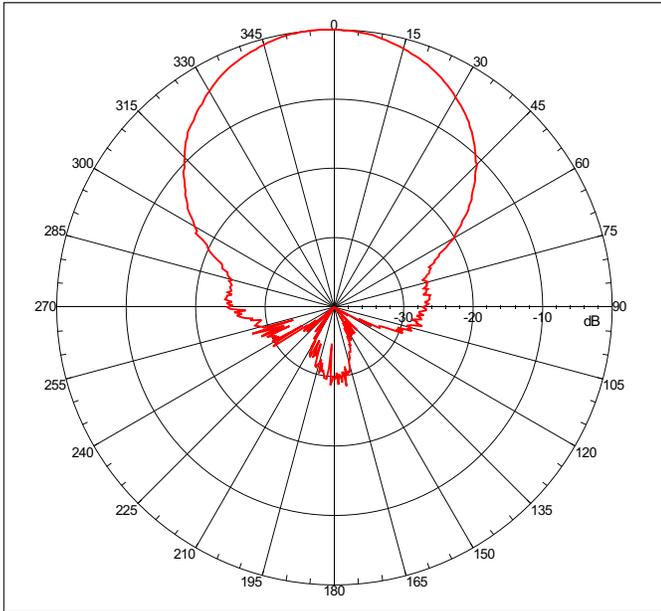


S24497
HPlane 5.50 GHz

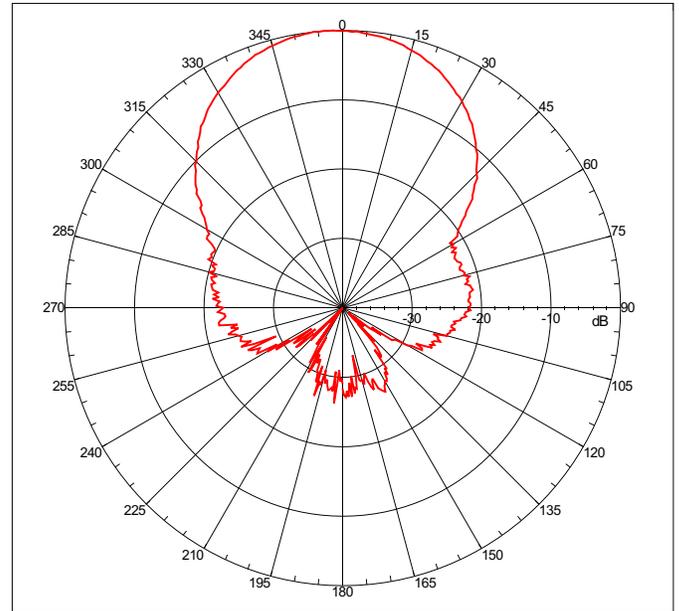


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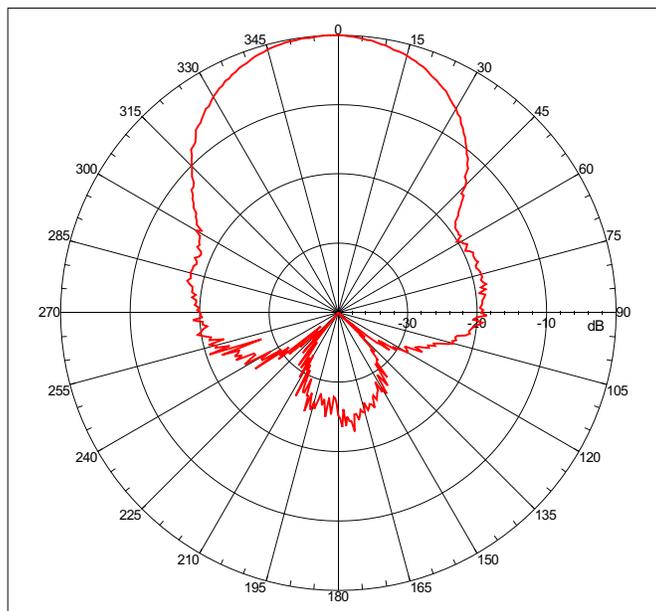
S24497
E Plane 5.50 GHz



S24497
E Plane 5.785 GHz

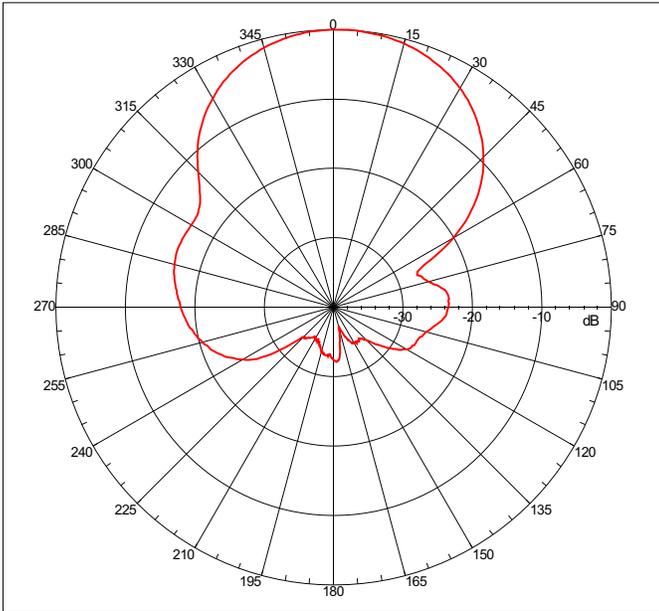


S24497
E Plane 5.99 GHz

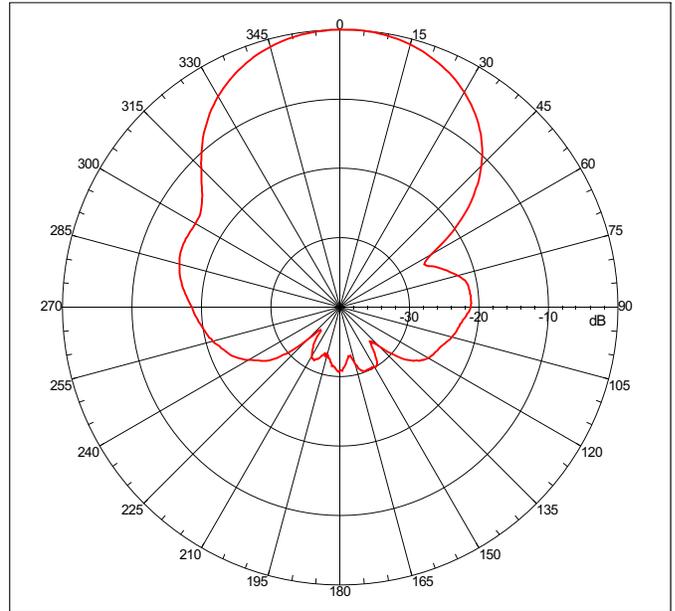


S24497P

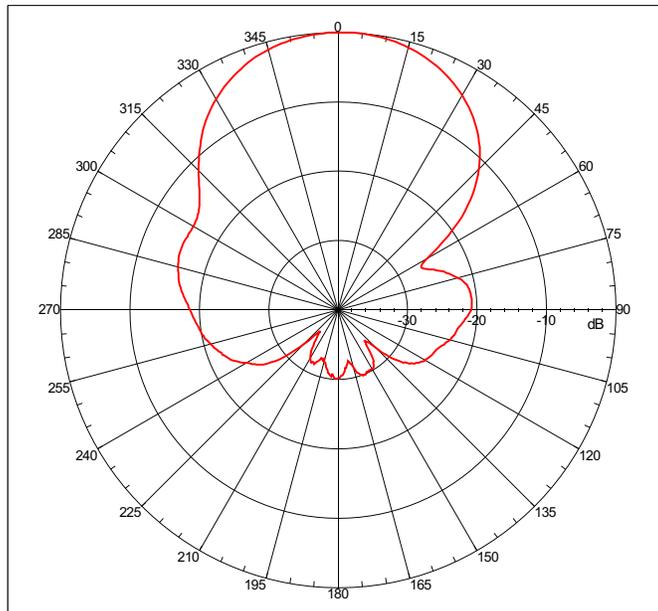
S24497
HPlane 5.875 GHz



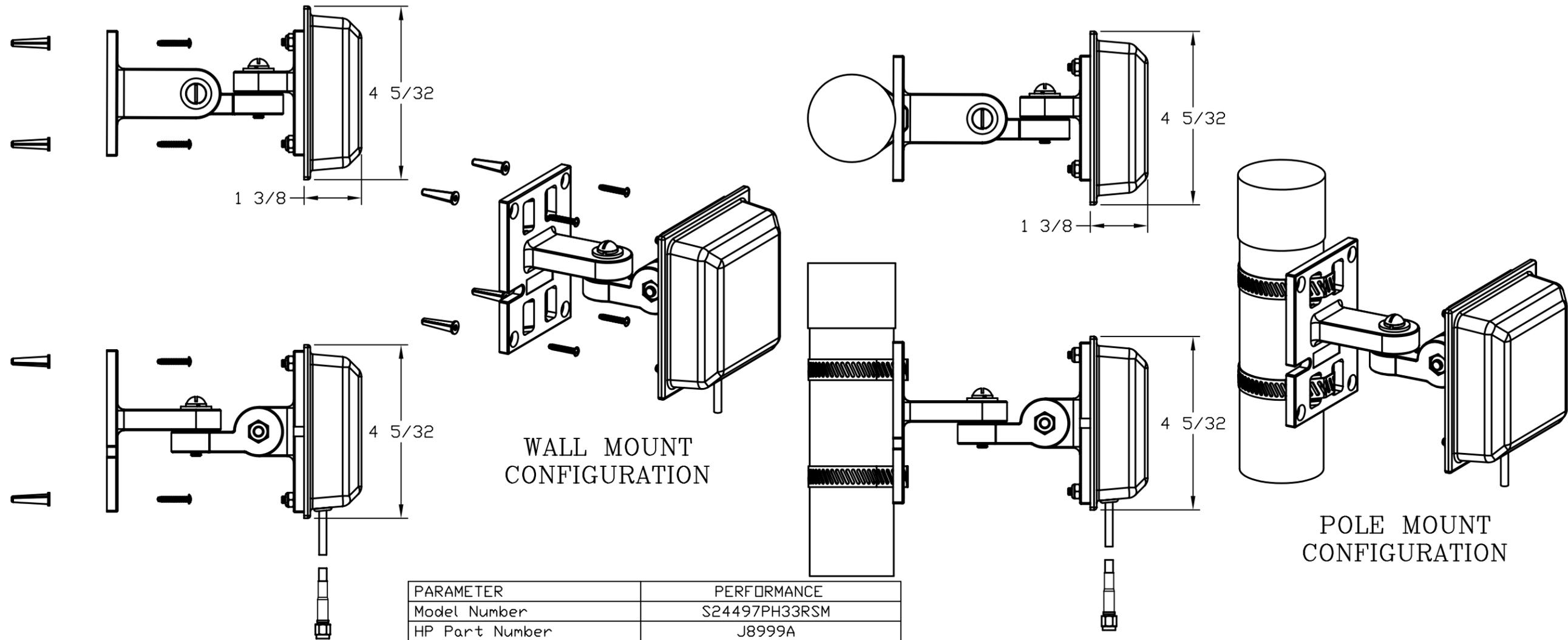
S24497
HPlane 5.99GHz



S24497
HPlane 6.0GHz



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



WALL MOUNT CONFIGURATION

POLE MOUNT CONFIGURATION

PARAMETER	PERFORMANCE	
Model Number	S24497PH33RSM	
HP Part Number	J8999A	
Frequency	2.40-2.50/4.9-5.99 GHz	
Polarization	Linear Vertical	
VSWR	2:1	
Cable Length	33"	
RF Connector	REV-SMA(M)	
Power	2 Watts	
Antenna Weight	.5 lbs	
Gain (W/33" Cable)	2.40-2.50 GHz	4.90-5.99 GHz
	6.9 ± 0.25 dBi	7.7 ± 0.25 dBi
H Plane 3 dB Beamwidth	2.40-2.50 GHz	4.90-5.99 GHz
	68°	52°
E Plane 3 dB Beamwidth	2.40-2.50 GHz	4.90-5.99 GHz
	66°	60°
Front to Back Ratio	2.40-2.50 GHz	4.90-5.99 GHz
	10 dB	15 dB

MATERIAL:

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

ANGLES ±0.5°
 FRACTIONS ±1/64"
 .XX ±0.010"
 .XXX ±0.005"

DRAWN	DATE
M TEITSCH	9-2-05
ENGINEER	DATE
R CHICOINE	9-15-05
ENGINEERING MGR	DATE
T PETROPOULOS	9-15-05

FINISH:

CUSHCRAFT
 48 PERIMETER ROAD MANCHESTER NH. 03108

TITLE:
S24497PH33RSM
MOUNTING & OUTLINE

DRAWING NO. S24497PH33RSMMO	REV AA
SCALE NONE	SIZE B
SHEET 1 OF 1	

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