

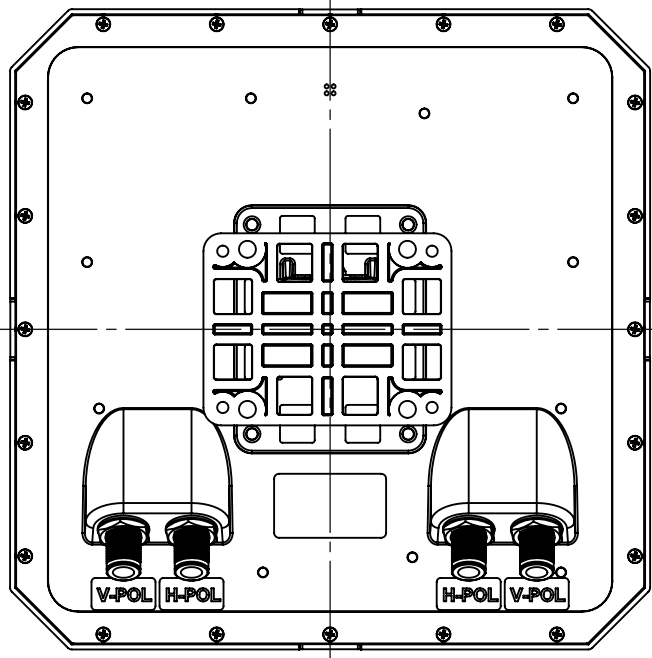
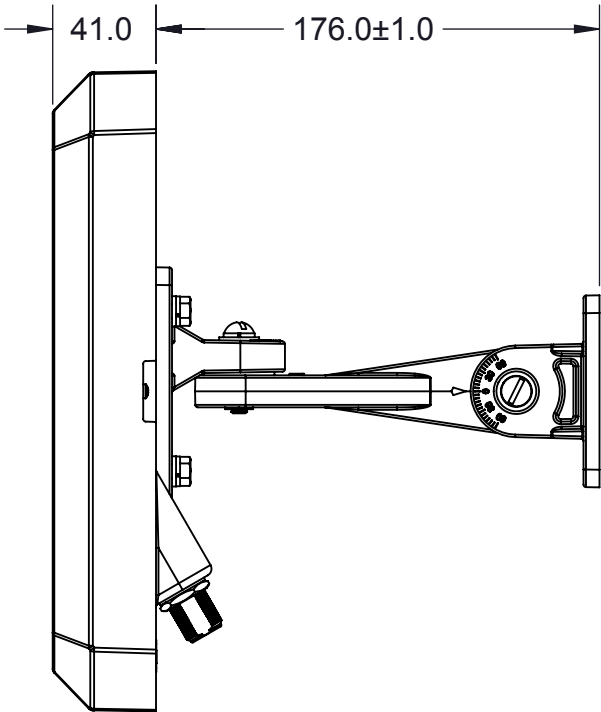
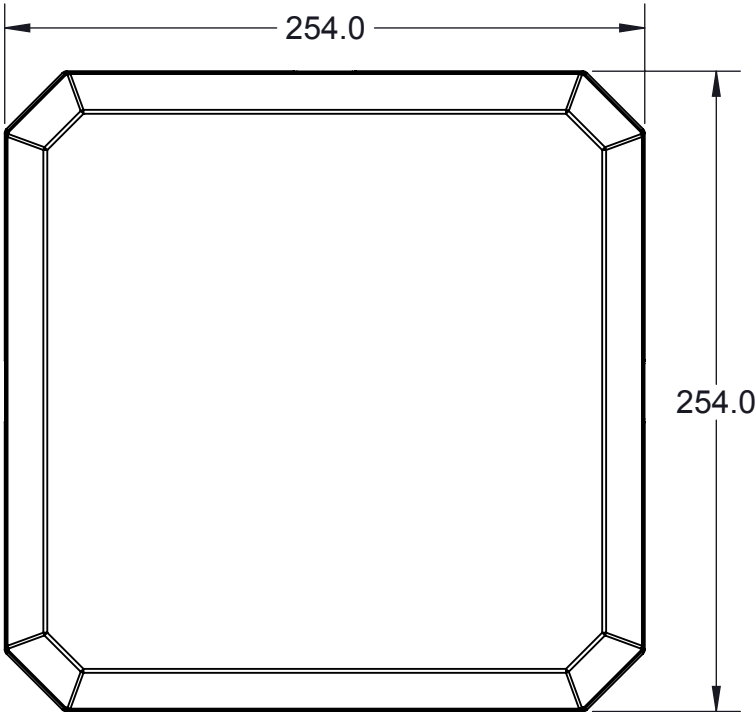
D

C

B

A

Parameter	Performance	
Laird Model Number	PDQ24496-91NF	
Frequency	2400-2500 MHz	4900-5950 MHz
Peak Gain	7.4 dBi	8.1 dBi
Azimuth Plane 3-dB Beamwidth V-Pol, Typical	68°	58°
Azimuth Plane 3-dB Beamwidth H-Pol, Typical	63°	57°
Elevation Plane 3-dB Beamwidth V-Pol, Typical	62°	58°
Elevation Plane 3-dB Beamwidth H-Pol, Typical	71°	56°
Polarization	2 Ports Horizontal, 2 Ports Vertical	
VSWR	<2.0:1	
Impedance	50 Ω	
Maximum Input Power (per port)	1 Watts	
Port to Port Isolation	>30 dB	
F/B Ratio	>15 dB	
RF Connector	4X Fixed Type-N Female	
Radome Material	Polycarbonate, UL94 V0, UV Stable, White	
Weight	1.14 kg (2.50 lb) w/out Mount	
Mounting	Articulating Mount, Mast or Flush Mount	
Wind Surface Area	@0°, 0.063 m² (0.68 ft²)	@90°, 0.016 m² (0.17 ft²)
Wind Survival	220 km/h (137 mph)	
Wind Operational	160 km/h (100 mph)	
Ingression Protection	IP-67	
Operating Temperature	-40°C to +70°C	
Operating Humidity (RH)	5% to 100% (non-condensing)	
Storage Temperature	-40°C to +85°C	



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REVISIONS					
REV.	ECN#	ZONE	DESCRIPTION	CHANGED BY/DATE	APPROVED BY/DATE
F01	ECN-IAS-04579		PRODUCTION RELEASE	S.J. 04JUN15	S.J. 04JUN15
F02	ECN-IAS-05044		CHANGED RADOME MATERIAL FROM PC/ABS, WHITE TO POLYCARBONATE, UL94 V0, UV STABLE, WHITE	S.J. 01FEB16	M.M. 01FEB16
F03	ECN-IAS-05879		Changed PEAK GAIN WAS 6.0 / 6.0 dBi, changed wind survival was 200 & changed Wind Operational was 160.	M.L. 11NOV16	S.J. 11NOV16

MATERIAL:
N/A

FINISH:
N/A

APPROVALS		DATE
DRAWN BY	S. JOHNSON	04JUN15
ELEC. ENG.	T. PETROPOULOS	4SEP15
MECH. ENG.	M. MCGINNIS	4SEP15
MFG./OPS.	B. THATCHER	4SEP15

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009

TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS

ANGLE:
0 PLACE DECIMAL: ±30'
1 PLACE DECIMAL: ±0.5
2 PLACE DECIMAL: ±0.25
SURFACE ROUGHNESS 1.6

Laird

MANCHESTER, NH 03103 USA

TITLE:

PDQ24496-FNF

MOUNTING & OUTLINE

SIZE
A3

DWG. NO.
PDQ24496-FNFM0

REV
F03

SCALE: 1:3

PREVIOUS#

SHEET 1 OF 2

6

5

4

3

2

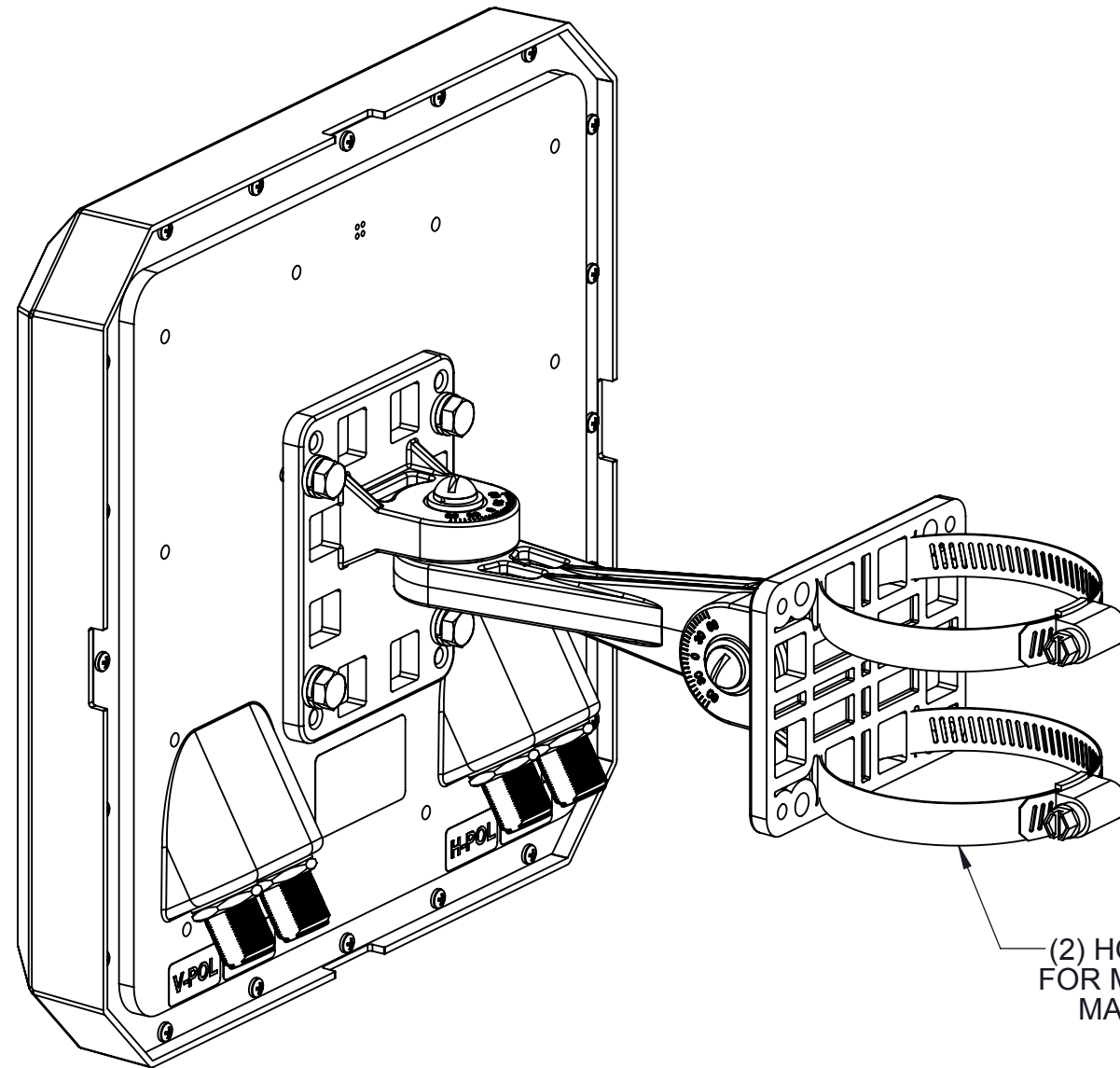
1

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(2) HOSE CLAMPS PROVIDED
FOR MAST MOUNTING WITH A
MAST RANGE FROM 2"-5"

LairdMANCHESTER, NH 03103
USASIZE
A3DWG. NO.
PDQ24496-FNFMOREV
F03

SCALE: 1:2

PREVIOUS#

SHEET 2 OF 2

6

5

4

3

2

1