

698-960 MHz/1710-2700 MHz LTE Vertical Standard Directional Panel Antenna PAV69278PI



LTE MUTI-BAND DIRECTIONAL PANEL ANTENNA

The PAV69278PI is a multi-band, low PIM, high gain directional panel antenna with vertical polarization that covers the 698 – 960 MHz/1710 – 2700 MHz LTE700/Cellular/PCS/AWS/MDS and global GSM900/GSM1800 /UMTS /LTE2600 bands. The radiation patterns are uniform and symmetrical, providing high- level signal density into defined coverage zones. This antenna will greatly enhance the performance of LTE systems and is ideal for indoor applications. The antenna includes a wall mounting bracket, anchors and bolts.

FEATURES

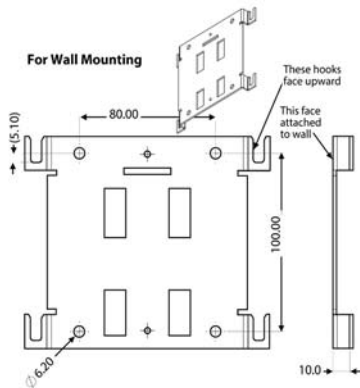


- Performance optimized using Laird proprietary RF optimization tools
- Mounts easily and directly to wall
- UV stable, aesthetically compact Radome with excellent flame rating
- Plenum-rated flame resistant cable
- Engineered for superior performance: high dBi gain & excellent VSWR
- Conformance to RoHS

APPLICATIONS

- In-building Wireless Networks
- Wireless Terminal, Point-of-Sale, and Machine-to-Machine
- Automatic meter reading
- Commercial, industrial and home security

SPECIFICATIONS



PARAMETER	SPECIFICATION
	MODEL PAV69278PI
Frequency (MHz)	698-960 /1710-2700
Antenna Type	Directional Panel Indoor
VSWR Max	< 2.0:1
Gain	8 dBi
HP Beam Width Azimuth	75° / 63°
HP Beam Width Elevation	64° / 51°
Front to Back Ratio	10 dB / 25 dB
PIM	< -150 dBc @ 2x20 watts
Polarization	Vertical
Plenum Rated	Yes
Nominal Impedance	50 Ω
Power Watts	50 W
Enclosure	Material: ABS White
Dimensions	9.82 x 9.8 x 2.41 inches 249.4 x 248.6 x 61.3 mm
Mounting	Wall Mount
Antenna Weight kg (lbs.)	.62 (1.35)
Operational Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Material Substance Compliance	RoHS

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

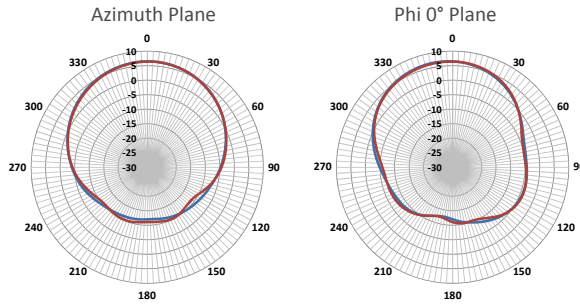
698-960 MHz/1710-2700 MHz

LTE Vertical Low PIM Directional Panel Antenna

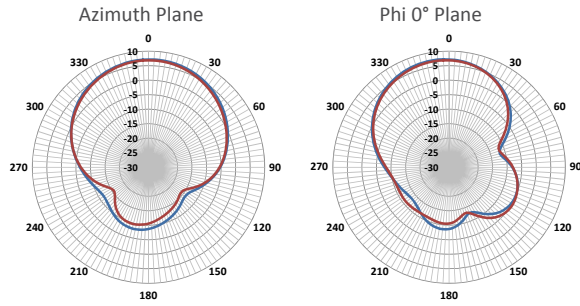
PAV69278PI

— S1 fixed
— S5 Pigtail

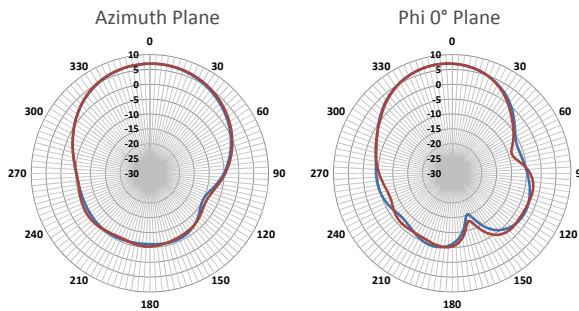
Radiation Pattern at 698 MHz



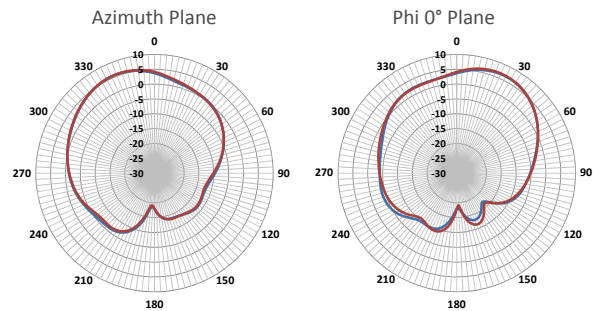
Radiation Pattern at 824 MHz



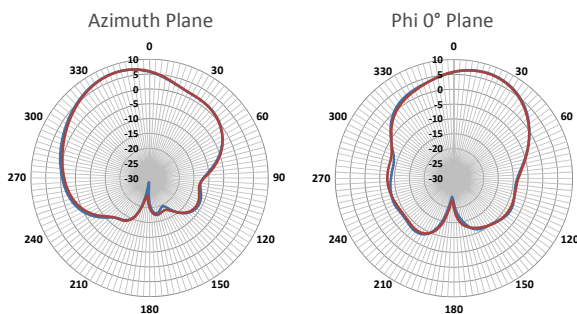
Radiation Pattern at 960 MHz



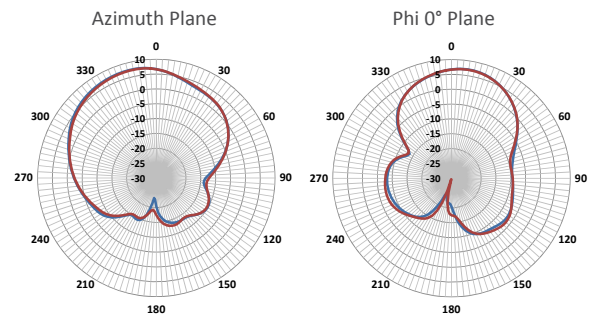
Radiation Pattern at 1710 MHz



Radiation Pattern at 1880 MHz



Radiation Pattern at 2110 MHz



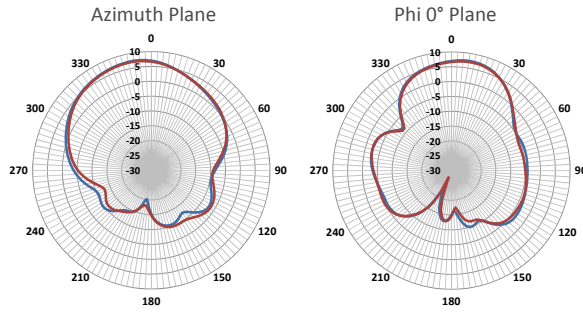
698-960 MHz/1710-2700 MHz

LTE Vertical Low PIM Directional Panel Antenna

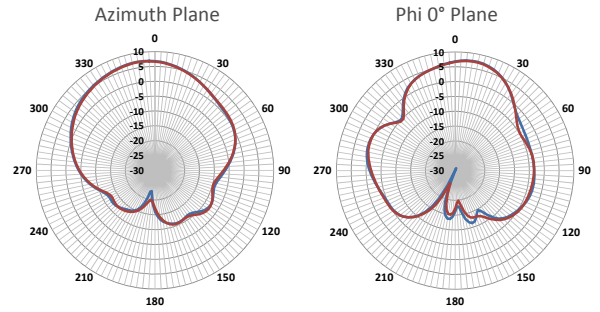
PAV69278PI

— S1 fixed
— S5 Pigtail

Radiation Pattern at 2305 MHz



Radiation Pattern at 2412 MHz



Radiation Pattern at 2700 MHz

