

# 698-960 MHz/1710-2700 MHz

## LTE Vertical Standard Directional Panel Antenna

### PAV69278I



### LTE MUTI-BAND DIRECTIONAL PANEL ANTENNA

The PAV69278I is a multi-band, 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

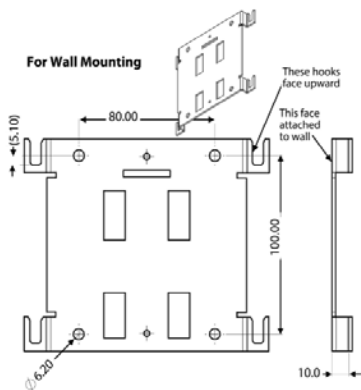


- Performance optimized using Laird proprietary RF optimization tools
- Mounts easily and directly to wall
- UV stable, aesthetically compact Radome with excellent flame rating
- Engineered for superior performance: high dBi gain and excellent VSWR
- Multiple connector and coax options available including fixed Type N(f) and integrated coax pigtail with Type N(f)
- 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
	<b>MODEL PAV69278I</b>
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
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.)	0.62 (1.35)
Operational Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Material Substance	RoHS
Compliance	

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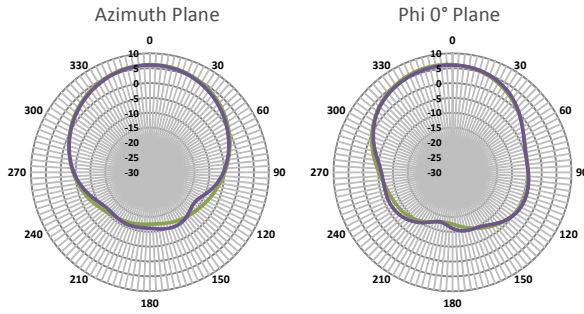
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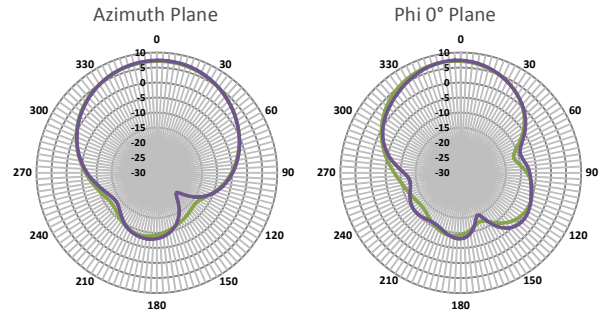
### PAV69278I

— S1 fixed  
— S5 pigtail

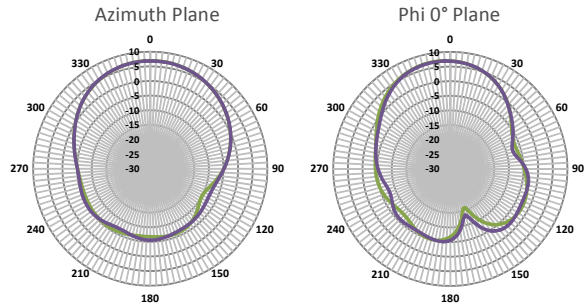
**Radiation Pattern at 698 MHz**



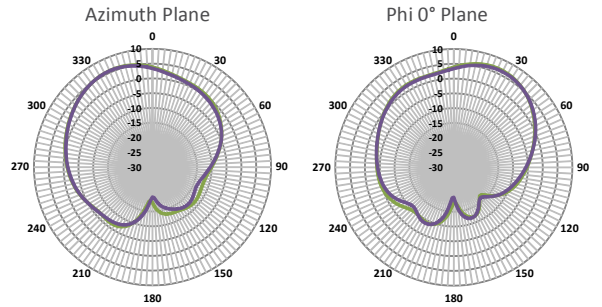
**Radiation Pattern at 824 MHz**



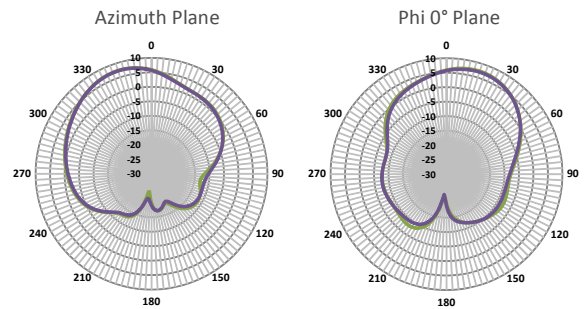
**Radiation Pattern at 960 MHz**



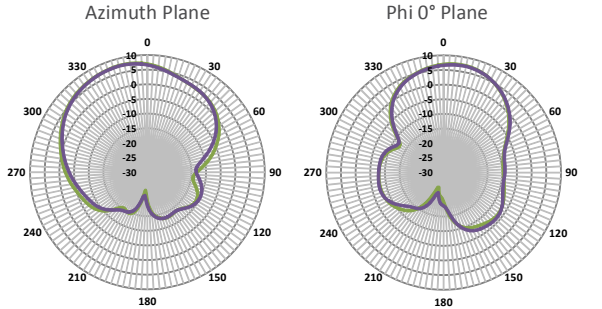
**Radiation Pattern at 1710 MHz**



**Radiation Pattern at 1880 MHz**

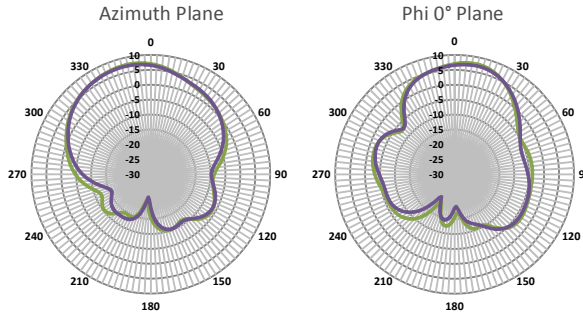


**Radiation Pattern at 2110 MHz**

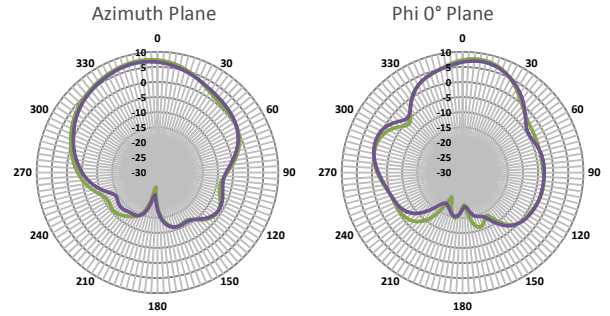


— S1 fixed  
— S5 pigtail

**Radiation Pattern at 2305 MHz**



**Radiation Pattern at 2412 MHz**



**Radiation Pattern at 2700 MHz**

