



PAV692781

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

The PAV692781 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 greatly enhances the performance of LTE systems and is ideal for indoor applications. The antenna includes a wall mounting bracket, anchors, and bolts.

FEATURES AND BENEFITS

- 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

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	698-960	1710-2700
VSWR - Max	< 2.0:1	
Gain (dBi)	8	
Nominal Impedance (Ohms)	50	
Power Handling (W)	50	
Polarization	Vertical	
HP Beam Width Azimuth	75°	63°
HP Beam Width Elevation	64°	51°
Front to Back Ratio (dB)	10	25

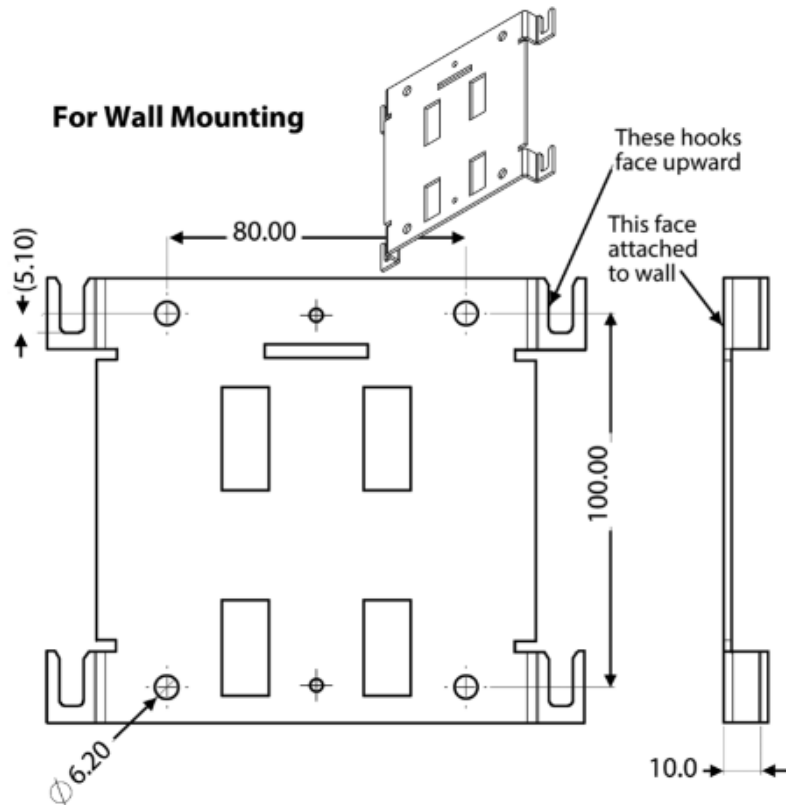
MECHANICAL SPECIFICATIONS

Dimensions - mm (inches)	249.4 x 248.6 x 61.3 (9.82 x 9.8 x 2.41)
Weight - kg (lbs.)	0.62 (1.35)
Mounting	Wall Mount
Enclosure	Material: ABS White
Plenum Rated	Yes
Antenna Type	Directional Panel Indoor

ENVIRONMENTAL SPECIFICATIONS

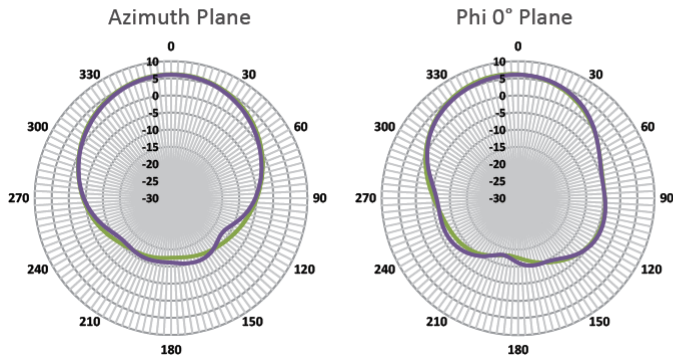
Operating Temperature - °C (°F)	-30°C to +70°C (-22°C to +158°F)
Storage Temperature - °C (°F)	-40°C to +85°C (-40°C to +185°F)
Material Substance Compliance	RoHS

MOUNTING OPTIONS

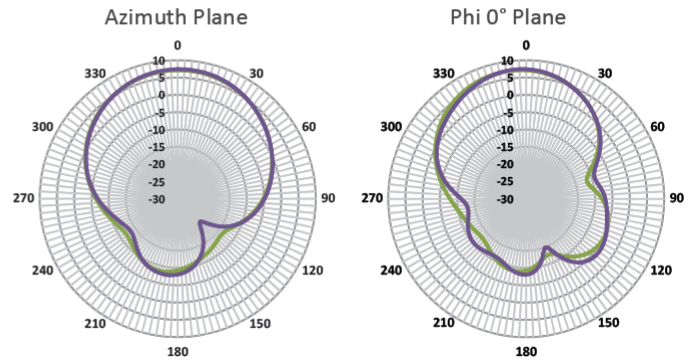


RADIATION PATTERNS

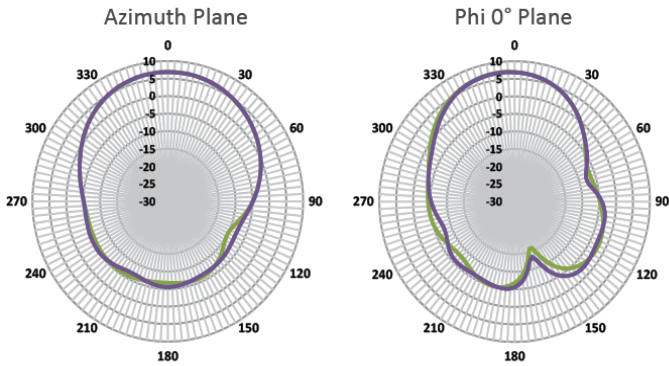
Radiation Pattern at 698 MHz



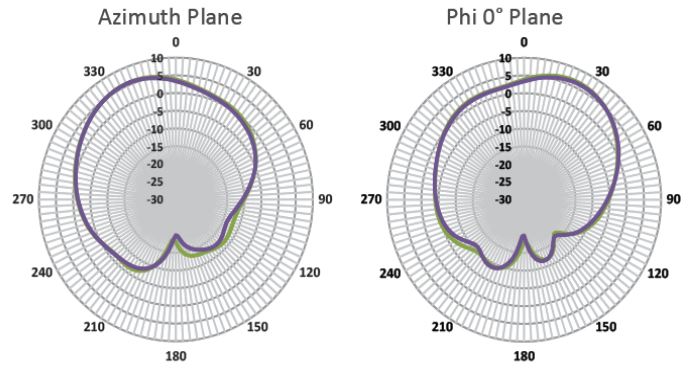
Radiation Pattern at 824 MHz



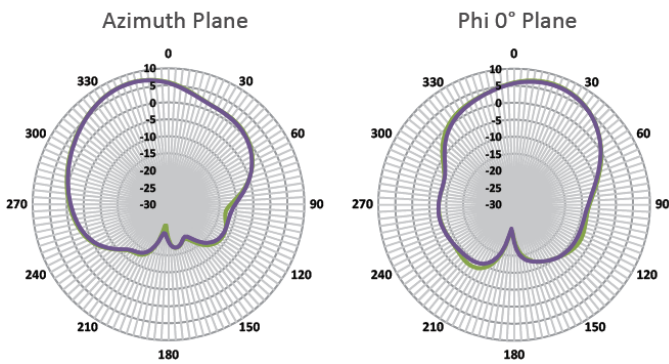
Radiation Pattern at 960 MHz



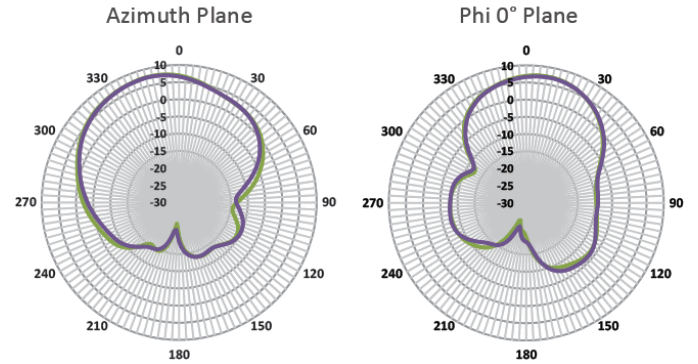
Radiation Pattern at 1710 MHz



Radiation Pattern at 1880 MHz

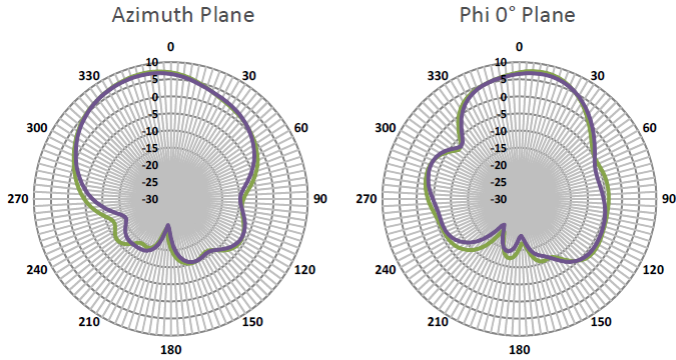


Radiation Pattern at 2110 MHz

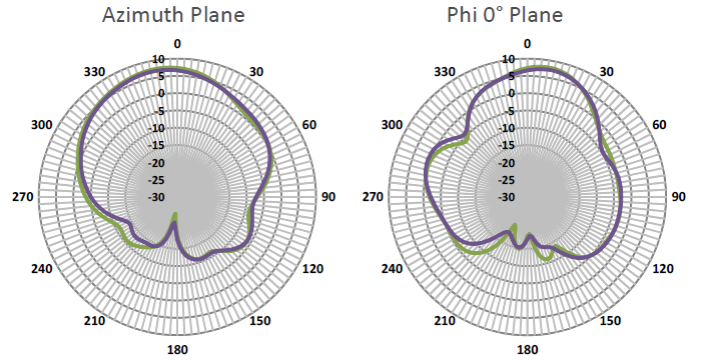


— S1 fixed
— S5 pigtail

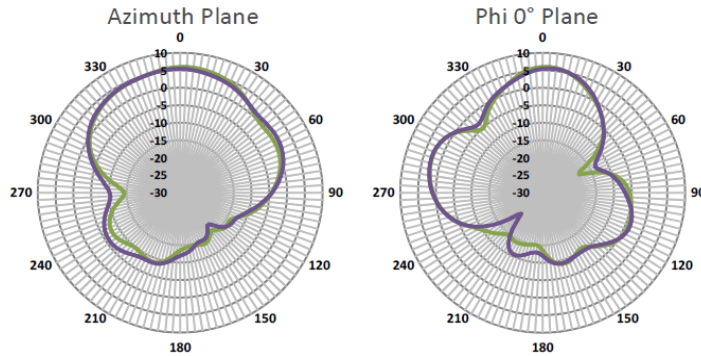
Radiation Pattern at 2305 MHz



Radiation Pattern at 2412 MHz



Radiation Pattern at 2700 MHz



— S1 fixed
— S5 pigtail

TE TECHNICAL SUPPORT CENTER

USA: +1 (800) 522-6752
 Canada: +1 (905) 475-6222
 Mexico: +52 (0) 55-1106-0800
 Latin/S. America: +54 (0) 11-4733-2200
 Germany: +49 (0) 6251-133-1999
 UK: +44 (0) 800-267666
 France: +33 (0) 1-3420-8686
 Netherlands: +31 (0) 73-6246-999
 China: +86 (0) 400-820-6015

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