



PAV692780

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

The PAV692780 is a multiband, 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 or outdoor applications. The antenna includes a wall mounting bracket, anchors, and bolts. The antenna can also be mast-mounted with bracket adapter and clamps.

FEATURES AND BENEFITS

- All 450 MHz and higher frequency models are delivered fully assembled
- All radial elements are secured to the boom with stainless steel hardware to prevent corrosion
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR
- All antennas ship complete with a mounting kit that includes stainless steel hardware

APPLICATIONS

- Point-to-point and multi-point/ omnidirectional outdoor antenna applications used by private organizations and government agencies around the globe
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields, weather conditions and, meter data
- transmissions for utilities

ELECTRICAL SPECIFICATIONS

Frequency Bands (MHz)	698-960	1710-2700
Peak Gain, dBi (Typ)	6.8	7.6
Peak Gain, dBi (Max)	7.6	8.1
VSWR, Typ	<1.8:1	<1.8:1
VSWR, Max	<2.0:1	<2.0:1
Azimuth 3 dB Beamwidth	75°	63°
Elevation 3 dB Beamwidth	64°	51°
Front-to-Back Ratio (dB)	10	25
Nominal Impedance (Ohms)	50	
Polarization	Vertical	
Max Power - Ambient 25°C (W)	50	

MECHANICAL SPECIFICATIONS

Dimensions - diameter x height - 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)
Antenna Color	White
Radome Material	Luran ASA, UV Stable, UL 94-HB Material

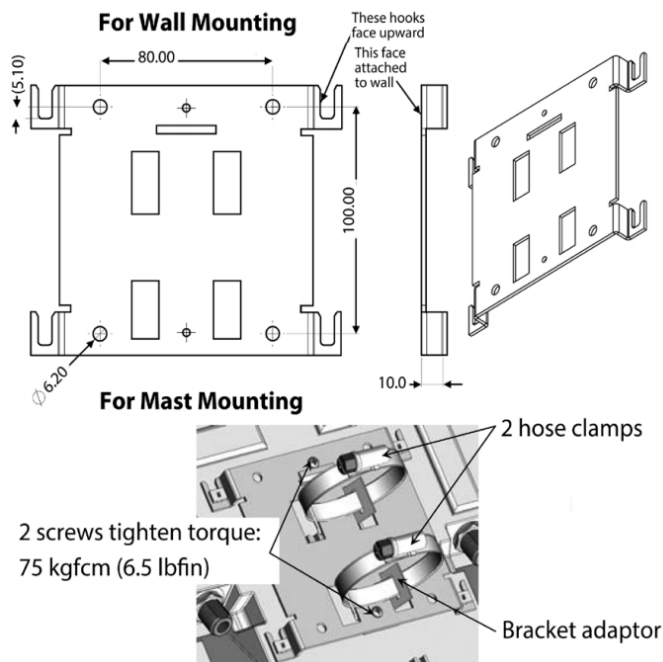
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Wind Operational - km/hr (mph)	160 (100)
Wind Survival - km/hr (mph)	220 (136)
Ingress Protection Rating	IP67
Material Substance Compliance	RoHS

CONFIGURATION

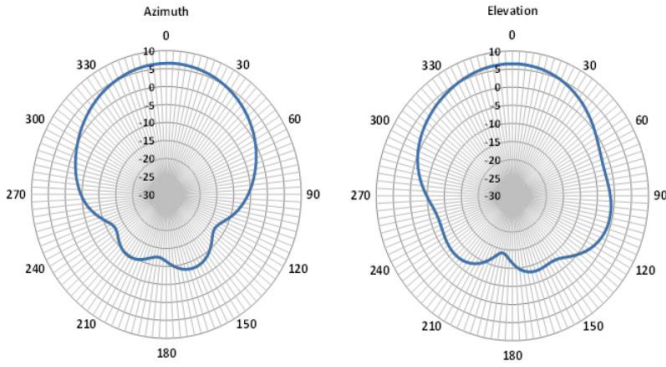
PART NUMBER	CONNECTOR
PAV69278O-3ONF	Pigtail w/Type N(F)
PAV69278O-FNF	Fixed Type N (F)

MOUNTING OPTIONS

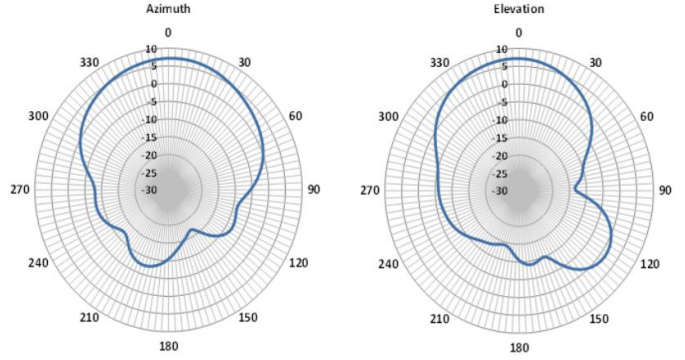


RADIATION PATTERNS

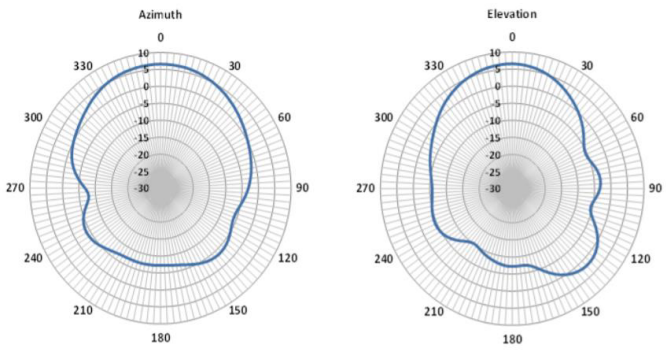
698 MHz



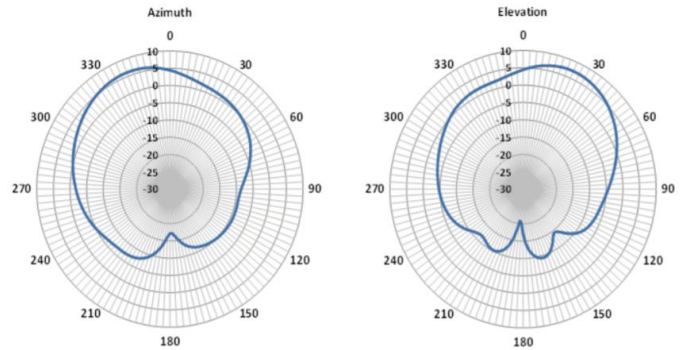
824 MHz



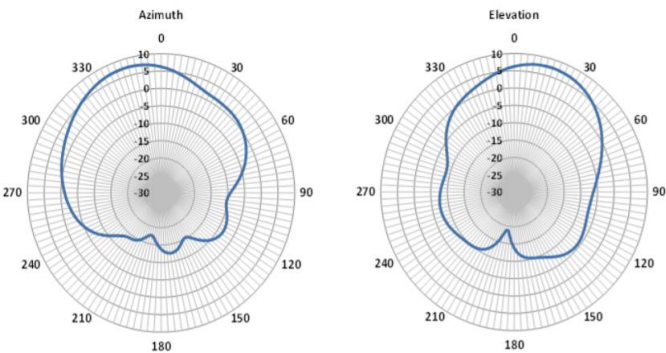
960 MHz



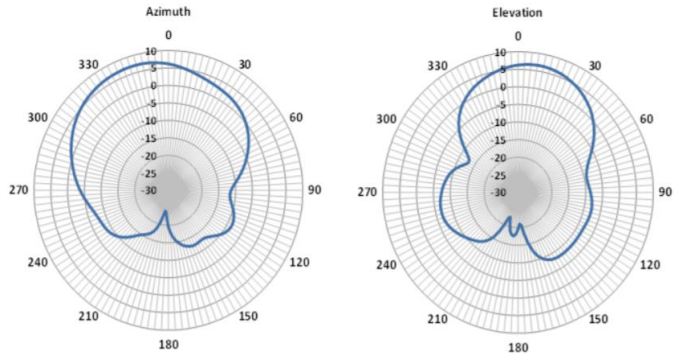
1710 MHz



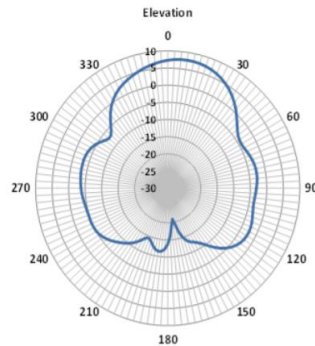
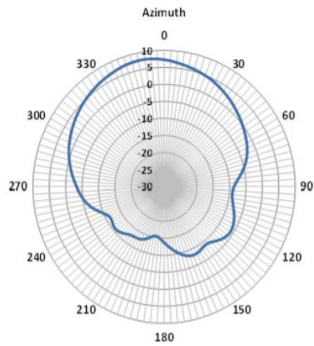
1880 MHz



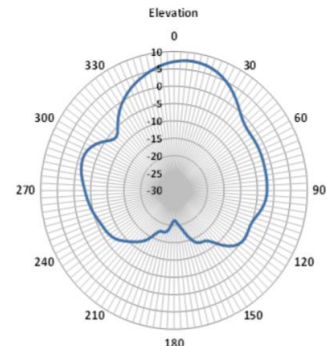
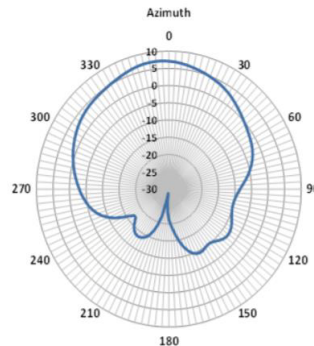
2110 MHz



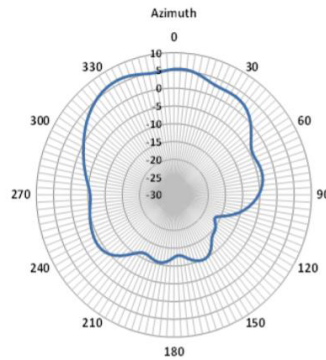
2305 MHz



2412 MHz



2700 MHz



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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