

PAS69278

698-960 MHz/1710-2700 MHz
Pole Mount Directional Panel Antenna

MULTI-BAND DIRECTIONAL PANEL ANTENNA

The PAS69278 antenna is a wide band dual port directional panel antenna with slant 45 polarization that covers the domestic LTE700/Cellular/PCS/AWS/MDS and global GSM900/ GSM1800/UMTS/LTE2600 bands. The antenna is ideal for both indoor and outdoor applications. It includes a UV stable radome enclosure that provides years of use without degradation to either mechanical properties or aesthetics.

FEATURES & BENEFITS RoHS

- Applicable for both 3G and 4G solutions
- Domestic LTE 700 band and
- Global LTE 2600 band
- WiMax 2300/2500 bands
- Domestic Cellular and Global GSM
- Weatherproof UV stable radome
- Wall mounting hardware included (optional mast mount kit available)
- Conformance to RoHS

APPLICATIONS

- Wireless Terminal, Point-of-Sale, Machine to Machine,
- Automatic Meter Reading and
- Home Security

TYPICAL ELECTRICAL SPECIFICATIONS	
Frequency	698 – 960 MHz / 1710 – 2700 MHz
VSWR	2.0:1 Max.
Gain	698 – 960 MHz: 7.5 – 9.0 dBi, 1700 – 2700 MHz: 5.7 – 9.5 dBi
Average Efficiency	698 – 960 MHz: 80% - 87%, 1700 – 2700 MHz: 60% - 85%
3 dB Beamwidth (Vertical plane)	698 – 960 MHz: 55° – 70°, 1700 – 2700 MHz: 50° – 80°
3 dB Beamwidth (Horizontal plane)	698 – 960 MHz: 55° – 70°, 1700 – 2700 MHz: 50° – 80°
F/B Ratio , Co-pol	698 – 960 MHz: > 23 dB, 1700 – 2700 MHz: > 17 dB
Cross polarization, Axial	698 – 960 MHz: > 25 dB, 1700 – 2700 MHz: > 17 dB, typical 23 dB
Isolation	> 25 dB
Polarization	Slant ± 45o
Nominal Impedance	50 Ohms
Power	2 x 10 Watts
RF Connector	Dual Type N female

TYPICAL ELECTRICAL SPECIFICATIONS	
IP Class	IP55
Environmental Conditions	ETSI EN 300 019-2-4, class 4.1E.
Mount Style	Wall/Mast w/mounting hardware (Wall mount)
Radome and Base Plastic	UL94 V0 rated (UV resisted)
Radome & Base color:	White, Color code (SABIC) WH9B034
Material Substance Compliance	ROHS Compliant
Temperature	-40°C to +70°C
Dimensions	295 x 295 x 82 mm
Weight	1.46 kg

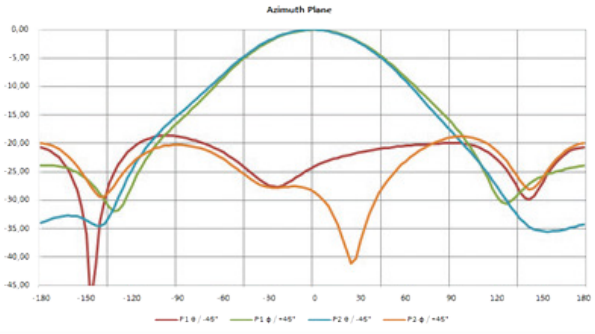
CABLES AND CONNECTORS

PART NUMBER	CABLE LENGTH	CONNECTOR
PAS69278-91NF	Dual 91 cm (36")	Dual Type N- Female
PAS69278-FNF	N/A (Direct connect)	Dual Type N- Female

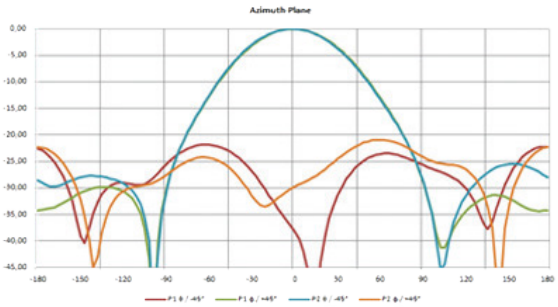
TYPICAL RADIATION PATTERNS

Low Band 698-960 MHz

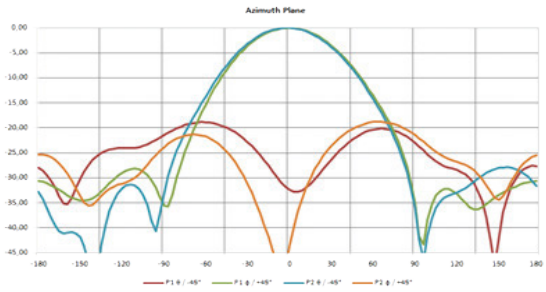
698 MHz



900 MHz

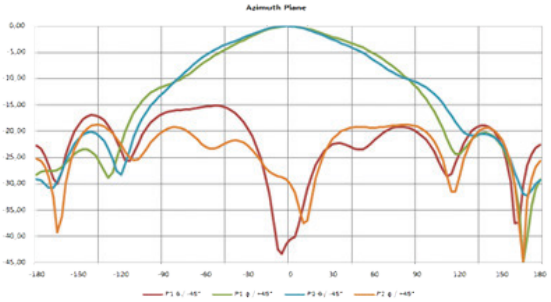


960 MHz

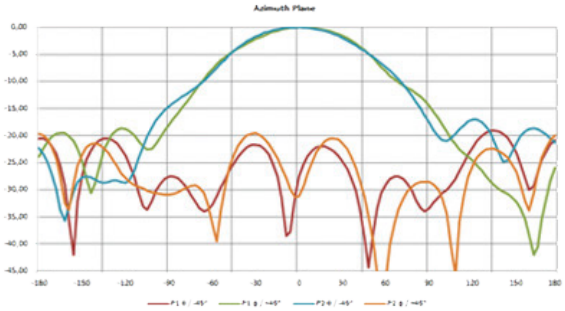


High Band 1710-2700 MHz

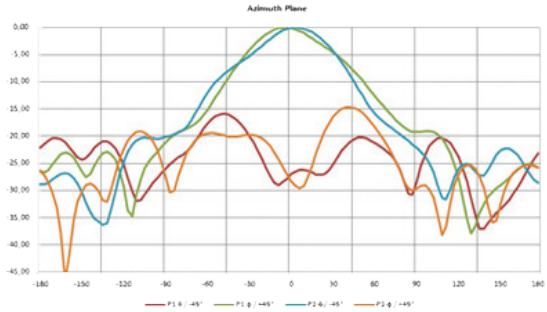
1710 MHz



2200 MHz



2700 MHz



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