

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

- 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

SPECIFICATIONS

| 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 |
| 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 |

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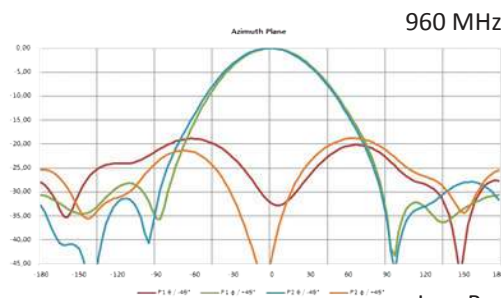
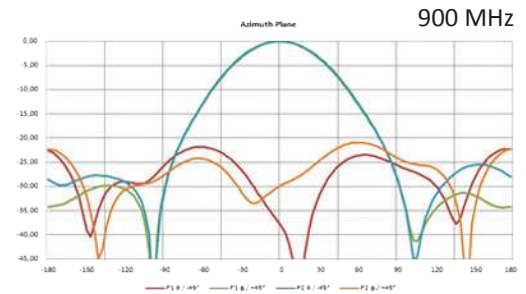
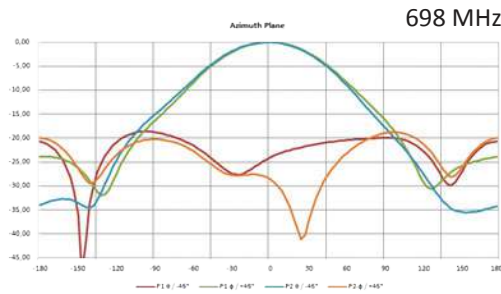
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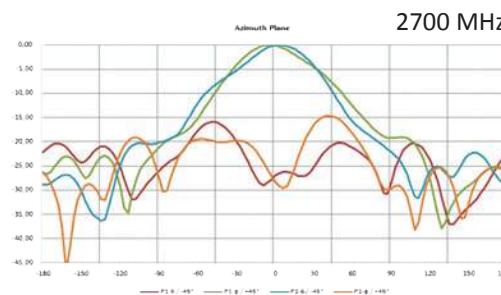
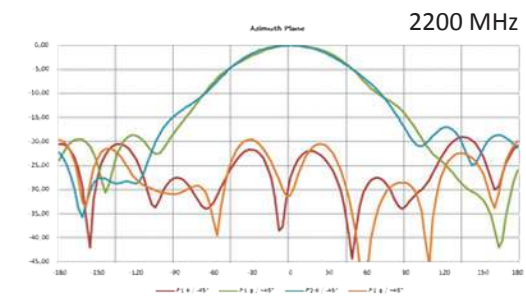
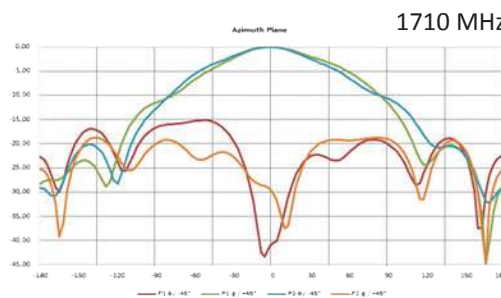
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Pole Mount Directional Panel Antenna**

TYPICAL RADIATION PATTERNS



Low Band 698-960 MHz



High Band 1710-2700 MHz

ANT-DS-PAS69278 090414

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