



**Tone Spread**  
Solutions for Wireless Signal

# Tone Spread Technology Co., Ltd.

698-4000MHz 4dBi Low PIM Omni directional Antenna

Model: PO-698-4000-4-NV3 (N female)

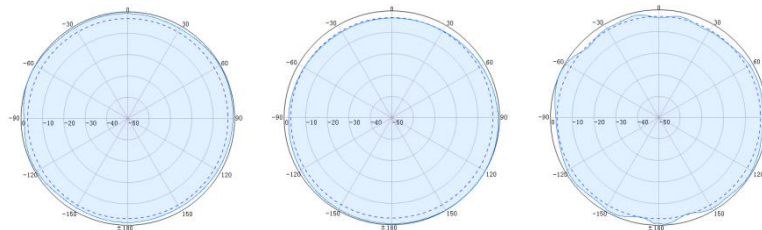
PO-698-4000-4-MV3 (4.3-10 female)



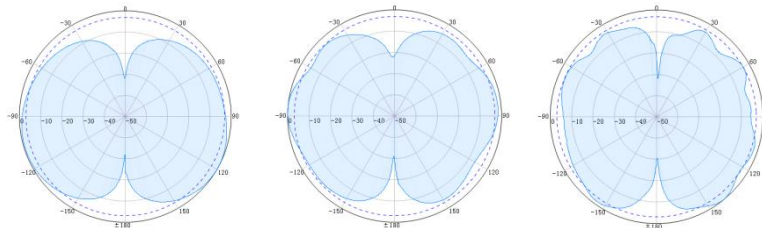
| <b>Electrical Specifications</b> |                     |               |           |
|----------------------------------|---------------------|---------------|-----------|
| Frequency Range, MHz             | 698-960             | 1710-2700     | 3300-4000 |
| Gain, dBi                        | 3                   | 4             | 4.5       |
| VSWR                             | ≤1.8                | ≤1.8          | ≤1.8      |
| Polarization                     | Vertical            |               |           |
| PIM, 3rd Order, 2x20W            | ≤-153 dBc           |               |           |
| Horizontal Beamwidth             | 360°                |               |           |
| Vertical Beamwidth               | 80°                 | 52°           | 38°       |
| Input Impedance                  | 50 Ω                |               |           |
| Max. Input Power                 | 100 W               |               |           |
| Lightning Protection             | DC Ground           |               |           |
| <b>Mechanical Specifications</b> |                     |               |           |
| Connector                        | N Female            | 4.3-10 Female |           |
| Dimensions                       | Ø 63x190 mm         |               |           |
| Weight                           | 1.0 kg              |               |           |
| Reflector Material               | Aluminum            |               |           |
| Radome Material                  | ABS (UV Stabilized) |               |           |
| Operating Temperature            | -40°C to +65 °C     |               |           |

## Radiation Patterns

Horizontal



Vertical



750MHz

2170MHz

3800MHz

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