

# Functional Description:

An antenna is a key component in wireless systems, converting RF signals into electromagnetic waves for transmission and back into electrical signals for reception. Serving as a transducer, it is essential for both transmitting and receiving in radio communication, with its electrical and mechanical parameters defining its role in PTP or PMP setups.



## Technical Specification

### Electrical Parameter

Frequency	4.9 - 6.4 GHZ
Gain (dBi)	2*32
VSWR (MaX)	1.2:1
Cross Pol Suppression	> 28
Polarization	Linear V & H
Port to Port isolation (dB)	> 30
Max Power Input (Watts)	50
Front to Back Ration (dB)	> 40
Safety Requirements	As Per IEC Standards
Mount	2* SMA/N Male or Customized
Bean Width (Degree)	4

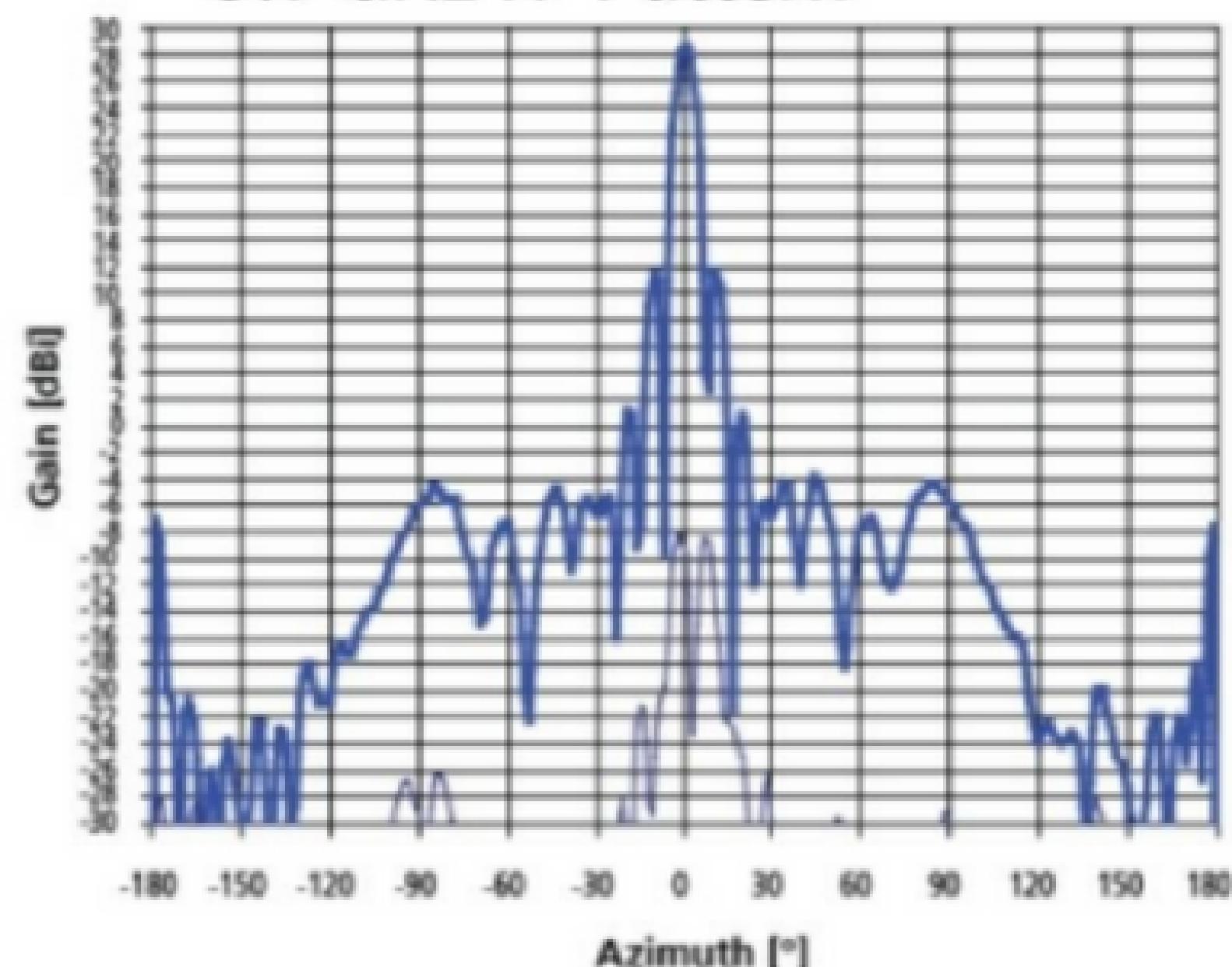
### Environmental parameters

Temperature Range	-50 to +70
Wind Speed (KM/H)	250
Humidity	95% No Condensation

### Mechanical Parameter

Dimension (MM)	900 MM
Antenna Material	Alloy (FE+AL)
Gross Weight (KG)	12
packing Dimension (inch)	38.5*38*12
Mounting Hardware	MS Galvanized & Power Coated
Mounting Style	Tower & Pole
Mounting Pole Diameter (MM)	100 Max
Mounting Adjustment	H Plane ±45° V Plane ± Fine 10°

5.7 GHz H-Pattern



5.7 GHz E-Pattern

