

## SHF4450P08

UHF Band 4 solid dish antenna, LOS, diameter 0.77 m, 4.4–5.0 GHz

**Tactical Antennas: Tactical and Base Station**



Removable feed for easy transportation

### Application

- Band 4 frequency, 4.4–5.0 GHz
- Designed for line-of-sight (LOS) and high capacity line-of-sight (HCLOS) radio relay communications
- High gain
- Rotating feed to set vertical or horizontal polarisation
- Rugged high quality antenna with a durable construction
- Suitable for harsh environments
- Standard mast mounting interface
- Removable feed for protection and easy transportation

### Electrical Specifications

<b>Frequency Range</b>	4.4–5.0 GHz
<b>VSWR</b>	≤ 1.5
<b>Connector</b>	N - female 50 Ω or customer specified
<b>Power Rating</b>	20 W
<b>Gain</b>	> 27 dBi
<b>Beam Width</b>	5° @ ± 3 dB
<b>Polarisation</b>	Vertical or Horizontal
<b>Front to Back Ratio</b>	> 30 dB
<b>Cross Pol. Rejection</b>	> 20 dB

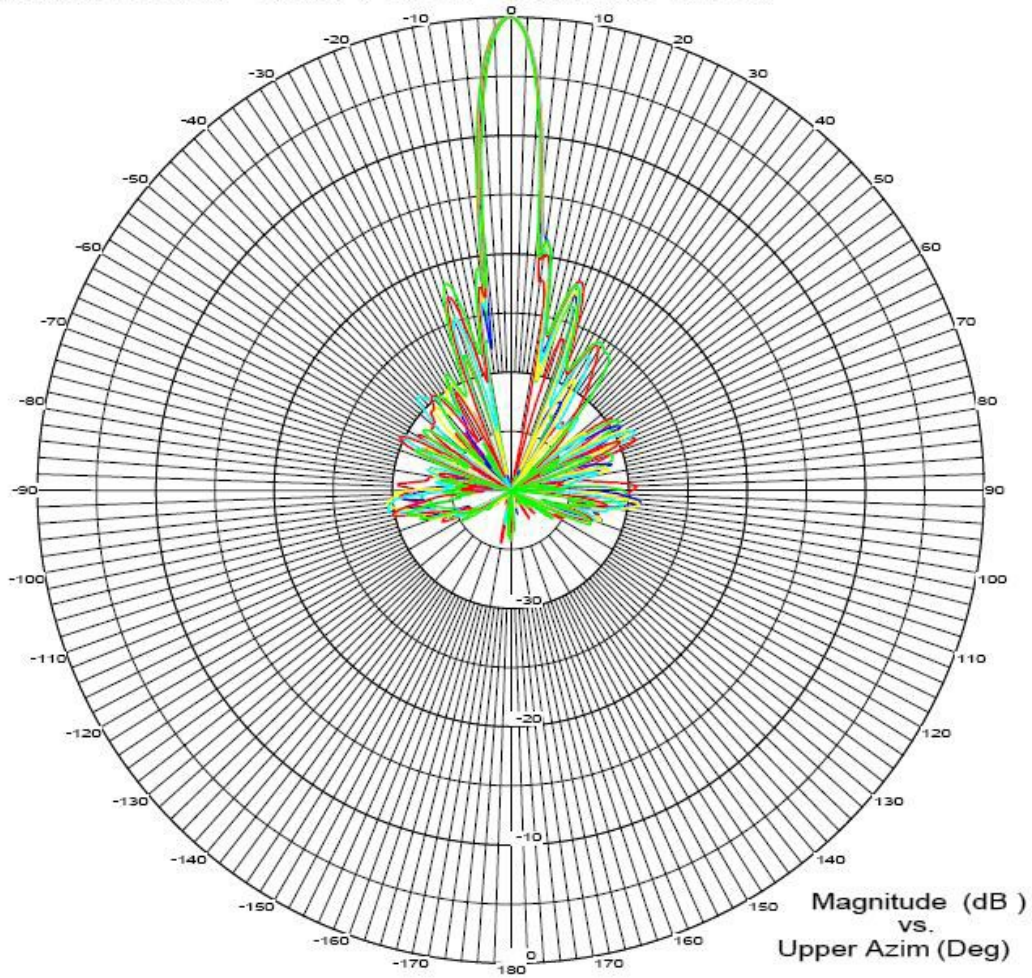
### Mechanical Specifications

<b>Design</b>	Primary feed parabolic dish antenna. Dish and fixing made in aluminium and feed in fibreglass laminate.
<b>Diameter</b>	Ø 0.77 m
<b>Weight</b>	5.2 kg
<b>Wind Load</b>	1000N @ 45 m/s
<b>Finish</b>	Polyurethane lacquer
<b>Temperature Range</b>	- 55°C to + 71°C
<b>Mast Interface</b>	Mast with Ø 39.5 mm male spigot

# Radiation Pattern

Date: 19-Aug-09  
 Time: 12:30  
 Operator: PE  
 Ser. no.:  
 Channel: Test  
 Frequency: See Legend

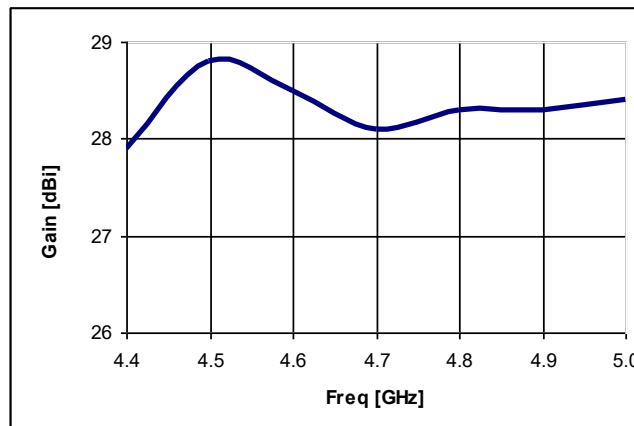
Tx pol: Horiz. Rx pol: None  
 Elevation : 0.00 Deg Lower Azimut: -45.01 Deg



- Overlays
- Frequency : 4.400 GHz
  - Frequency : 4.500 GHz
  - Frequency : 4.600 GHz
  - Frequency : 4.700 GHz
  - Frequency : 4.800 GHz
  - Frequency : 4.900 GHz
  - Frequency : 5.000 GHz

FR959 Plus

# Gain Curve



September 2018

All specifications are subject to change without notice  
 The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier



sales@eylex.com.au  
 www.eylex.com.au

