

20 dBi Gain, 49.8-70 GHz, WR15 Standard Gain Horn with 1.85mm

Female Port

Rev 1

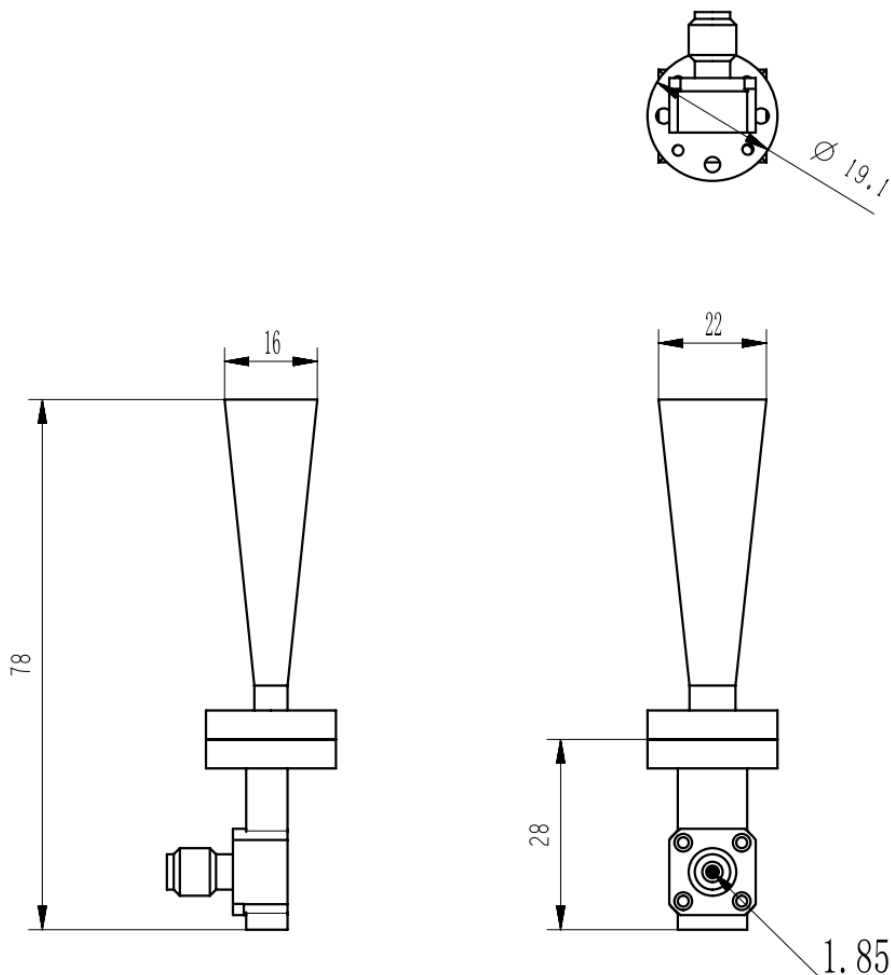
## Electrical

|                       |                                                |
|-----------------------|------------------------------------------------|
| Frequency Range       | 49.8-70 GHz                                    |
| Norminal Gain         | 20 dBi                                         |
| Polarization          | Linear                                         |
| VSWR                  | 1.5 max                                        |
| 3dB Beamwidth         | E-Plane: 12.6~17.8 deg, H-Plane: 12.8~19.4 deg |
| Operating Temperature | -40℃~+70℃                                      |

## Mechanical

|                          |                            |
|--------------------------|----------------------------|
| Waveguide Size           | WR15                       |
| Flange Type              | UG385/U Round Cover Flange |
| Body Material and Finish | Painting over gold plating |
| RF Connector             | 1.85mm Female              |

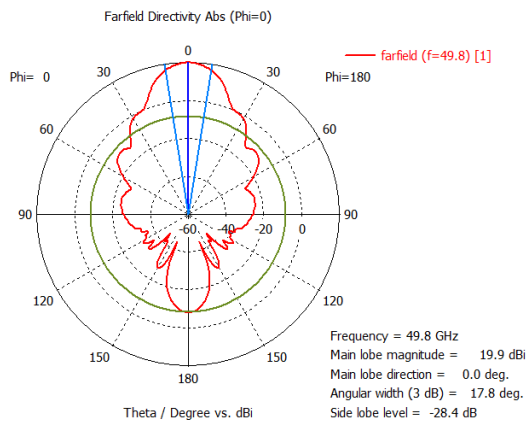
## Dimensions(mm)



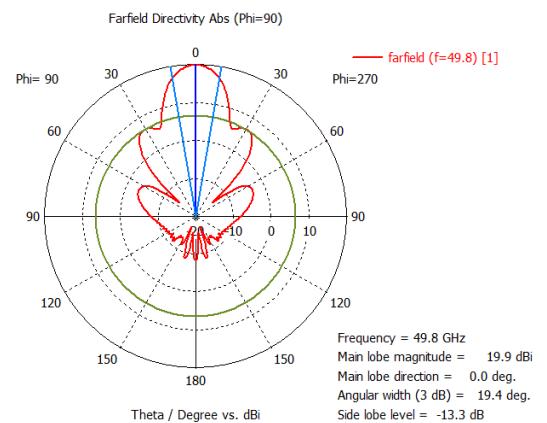
# Simulated Antenna Patterns

49.8GHz

E-Plane

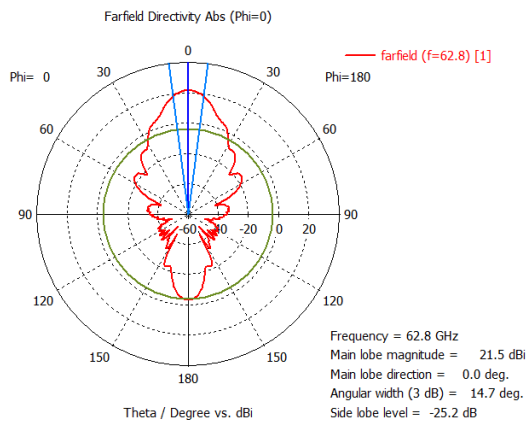


H-Plane

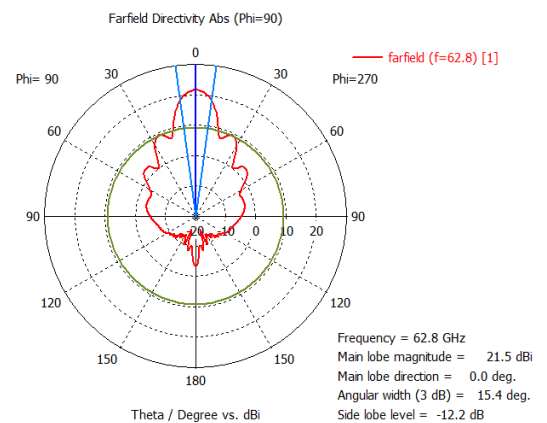


62.8GHz

E-Plane

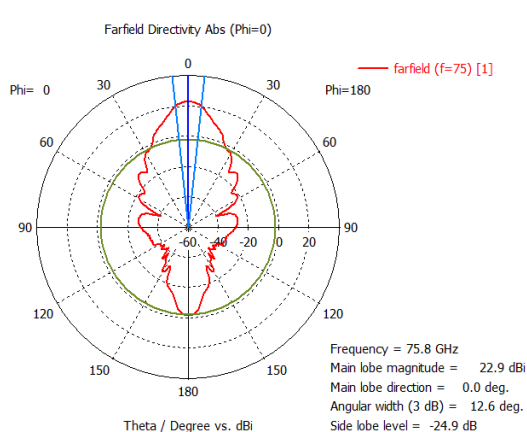


H-Plane



78.8GHz

E-Plane



H-Plane

