

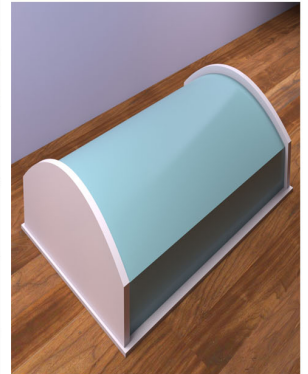
# High Gain Broadband Circular Polarized Antenna

TECHNICAL DATA SHEET

23-05-1904-01A

## Electrical specifications:

Antenna type	High gain broadband cp antenna
Frequency	2.2-2.9GHz
Gain	16dBi
Impedance	50 Ohm
Return Loss	<-10dB
VSWR	≤ 2.5:1
Polarization	Circular
Beam pattern	Directional
Power handled	>100W



## Mechanical Specifications:

Dimension (lxbxh) : 197mmX312mmX30mm

Connector : SMA Female

Mounting material : Stainless Steel/Aluminum

## Environmental Specifications:

Operation : -30 °C to +85 °C

Humidity : 0-95%

# ASTHRA PROJECTS

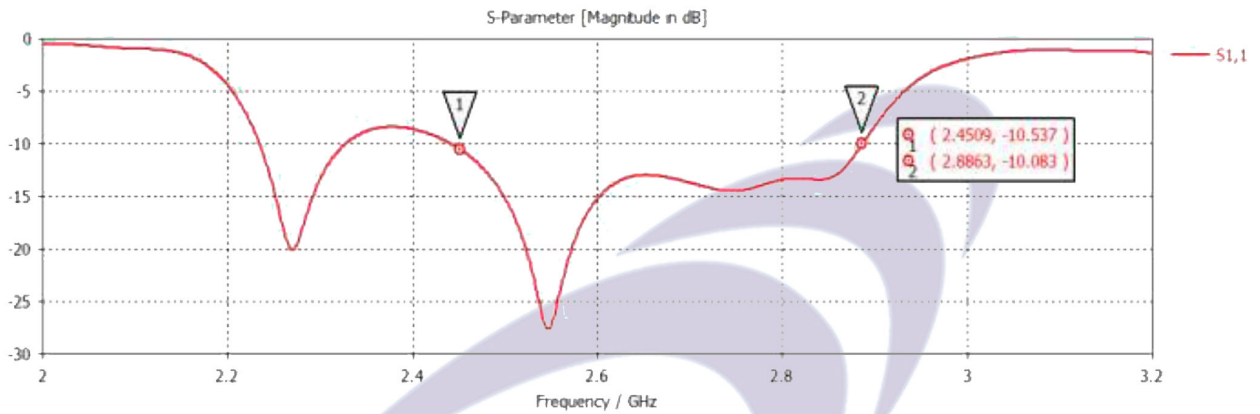
#LIG- B329, Near old HMTV, Dr.A.S.Rao Nagar,  
ECIL Post, Hyderabad-500062. Ph: 040-40264887  
Mail: [info@asthraprojects.com](mailto:info@asthraprojects.com)  
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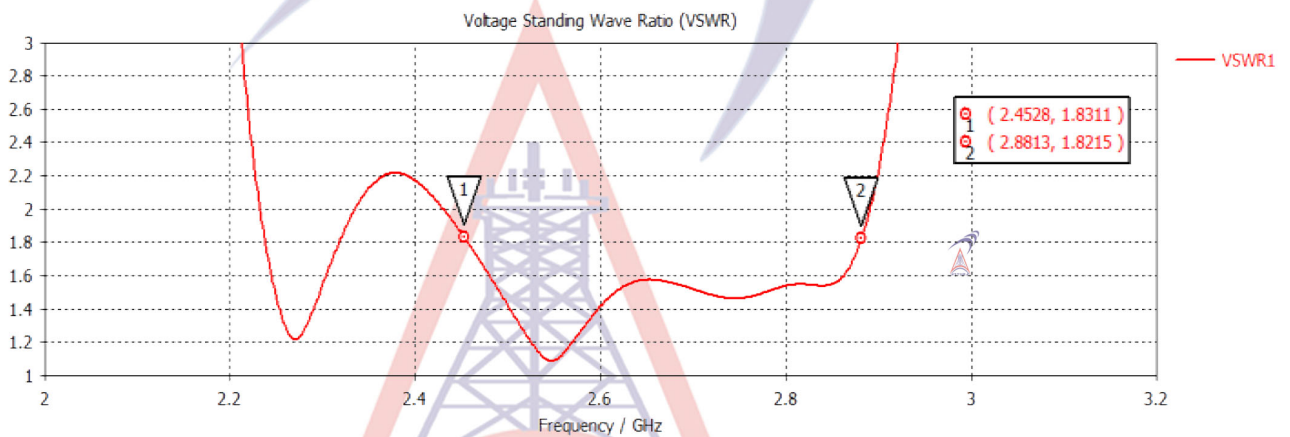
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## Return loss:

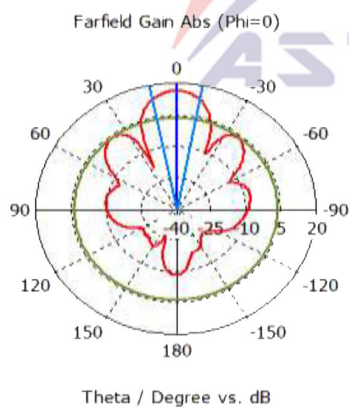


## Vswr:



## Radiation patterns:

### For 2.4GHz:



Frequency = 2.4

Main lobe magnitude = 16.3 dB

Main lobe direction = 0.0 deg.

Angular width (3 dB) = 21.6 deg.

Side lobe level = -12.8 dB

# ASTHRA PROJECTS

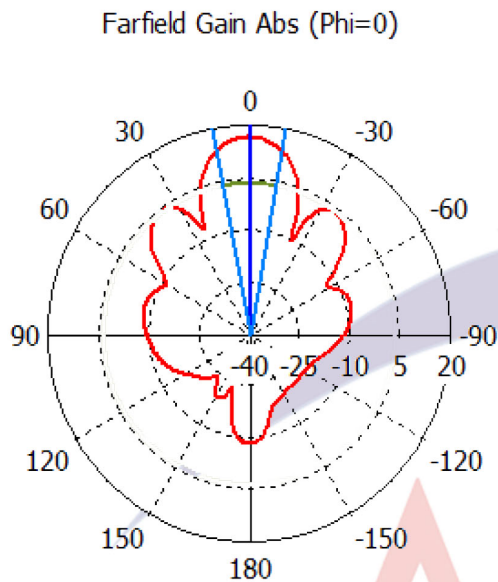
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TECHNICAL DATA SHEET

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## For 2.5GHz:



Frequency = 2.5

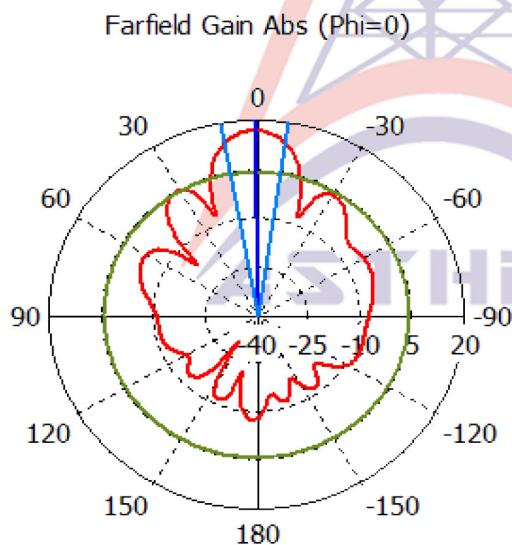
Main lobe magnitude = 16.6 dB

Main lobe direction = 0.0 deg.

Angular width (3 dB) = 20.9 deg.

Side lobe level = -12.6 dB

## For 2.8GHz:



Frequency = 2.8

Main lobe magnitude = 16.9 dB

Main lobe direction = 1.0 deg.

Angular width (3 dB) = 18.3 deg.

Side lobe level = -12.4 dB

# ASTHRA PROJECTS

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