

LTE B1 & B3 ANTENNA

TECHNICAL DATA SHEET

20-19-1011-01A

Electrical specifications:

Frequency	B1:1.9-2.1GHz-(uplink-(1920-1980MHz) downlink-(2110-2170MHz) B3:1.7-1.9GHz-(uplink-(1710-1785MHz) downlink-(1805-1880MHz)
Gain	2-3.5dB
Return Loss	<-10dB
Impedance	50 Ohms
VSWR	≤ 2:1
Polarization	Linear
Power handled	10W

Mechanical Specifications:

Dimensions : 78X 34X 6.435mm

Cable Standard : LMR100A

Cable Length and color : 100 mm, Black

Environmental Specifications:

Operation -40 °C to +85 °C

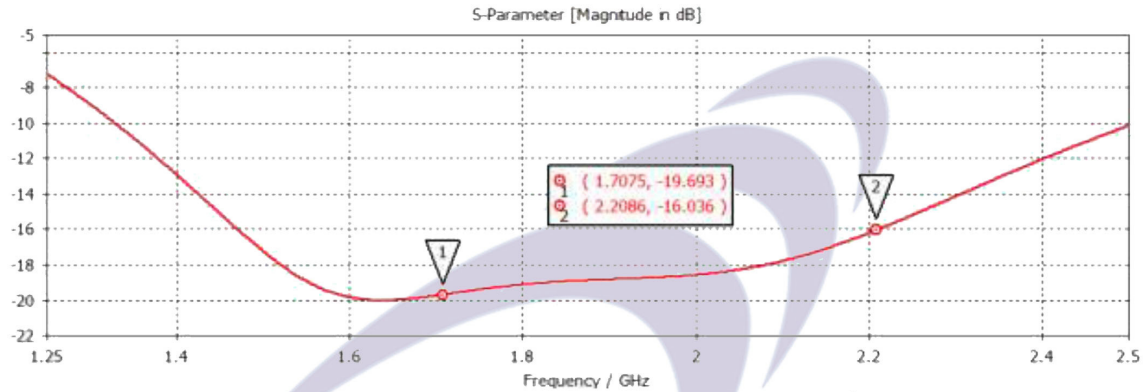
Storage Temperature -40 °C to +85 °C

RoHS Compliant Yes

ASTHRA PROJECTS

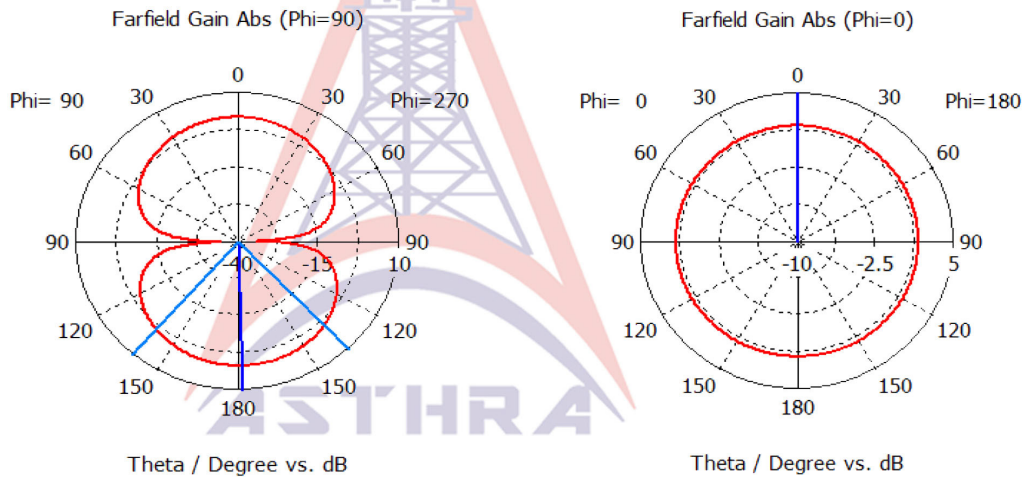
#LIG- B329, Near old HMTV, Dr.A.S.Rao Nagar,
ECIL Post, Hyderabad-500062. Ph: 040-40264887
Mail: info@asthraprojects.com
Web: www.asthraprojects.com

Return loss:



Radiation pattern:

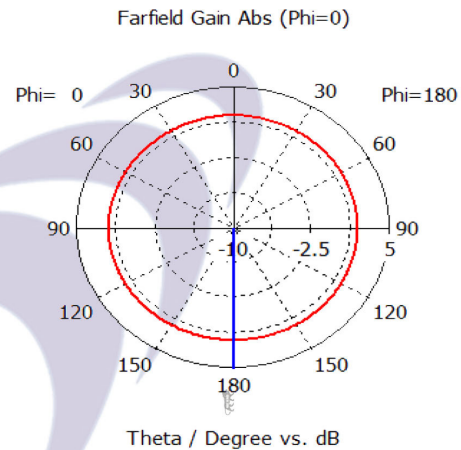
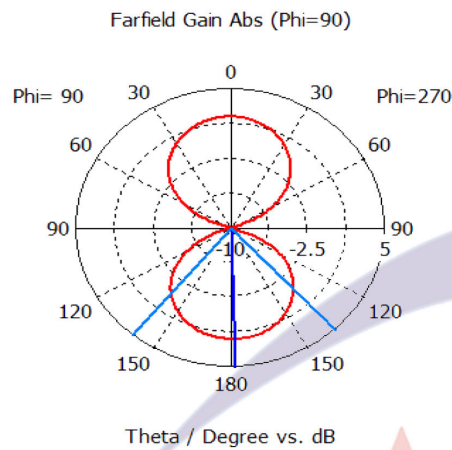
For 1.7GHz:



Frequency = 1.74
 Main lobe magnitude = 1.67 dB
 Main lobe direction = 178.0 deg.
 Angular width (3 dB) = 84.0 deg.

Frequency = 1.74
 Main lobe magnitude = 1.66 dB
 Main lobe direction = 0.0 deg.

For 1.9GHz:



Frequency = 1.9
 Main lobe magnitude = 1.97 dB
 Main lobe direction = 178.0 deg.
 Angular width (3 dB) = 82.8 deg.

Frequency = 1.9
 Main lobe magnitude = 1.97 dB
 Main lobe direction = 180.0 deg.

