

LTE B1,B3,B7,B40 ANTENNA

TECHNICAL DATA SHEET

20-19-1111-01A

Electrical specifications:

Communication	1.7-2.7GHz
Gain	2-3.5dB
Return Loss	-12.776dB(at 1.7GHz) -12.135dB(at 1.8GHz) -13.786dB(at 2.4GHz) -17.421dB(at 2.6GHz)
Impedance	50 Ohms
VSWR	≤ 2:1
Polarization	Linear
Power handled	10W



Mechanical Specifications:

Dimensions : 64X 30X 6.435mm
Weight : 30 g
Cable Standard : LMR100A
Cable Length and color : 100 mm, Black

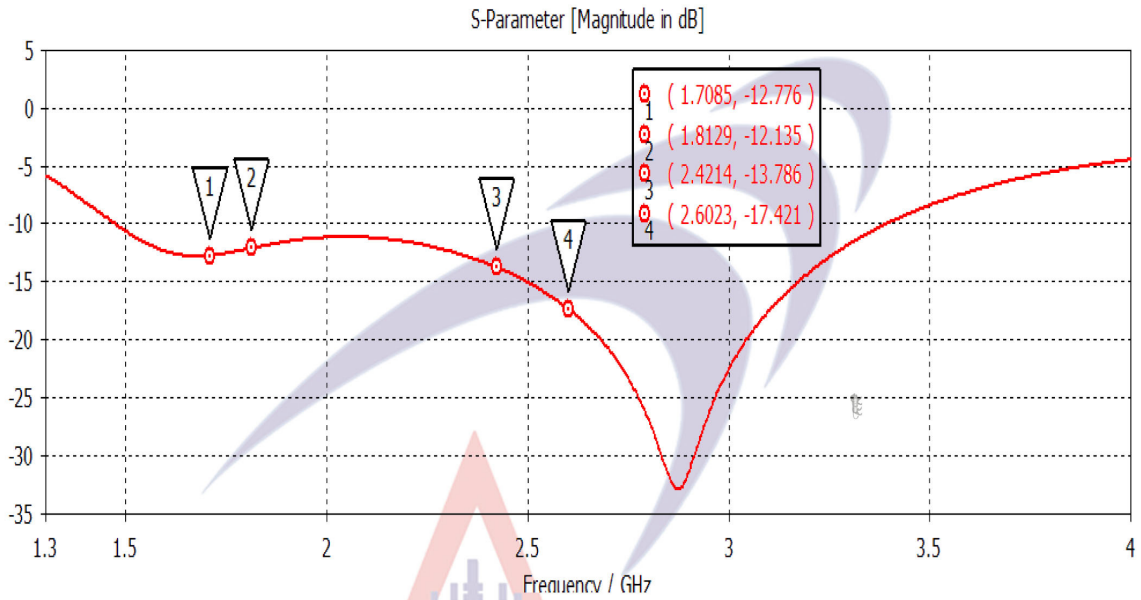
Environmental Specifications:

Operation -40 °C to +85 °C
Storage Temperature -40 °C to +85 °C
RoHS Compliant Yes

ASTHRA PROJECTS

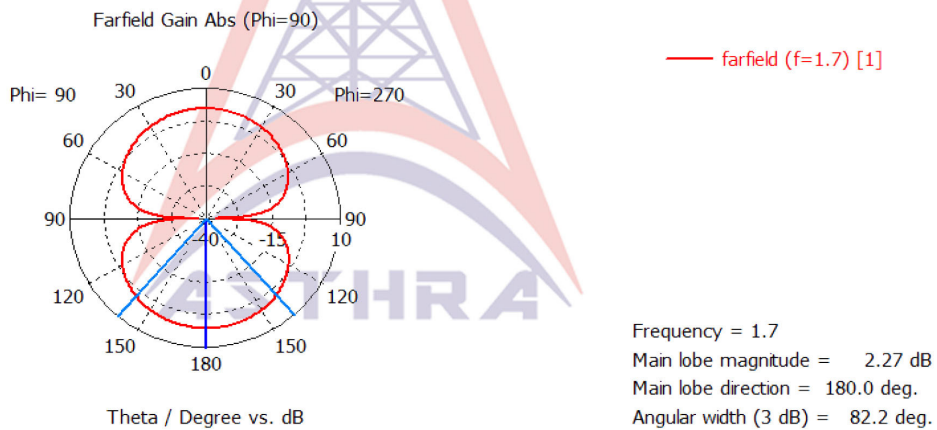
#LIG- B329, Near old HMTV, Dr.A.S.Rao Nagar,
ECIL Post, Hyderabad-500062. Ph: 040-40264887
Mail: info@asthraprojects.com
Web: www.asthraprojects.com

Return loss:

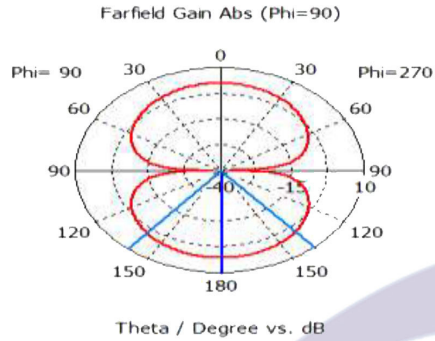


Radiation pattern:

For 1.7GHz:



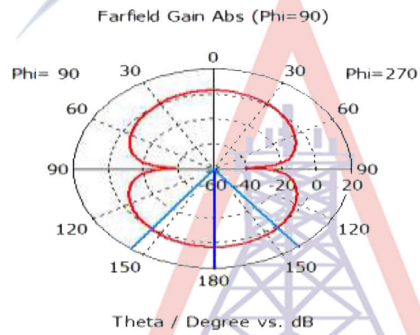
For 1.82GHz:



— farfield (f=1.82) [1]

Frequency = 1.82
 Main lobe magnitude = 2.39 dB
 Main lobe direction = 179.0 deg.
 Angular width (3 dB) = 80.9 deg.

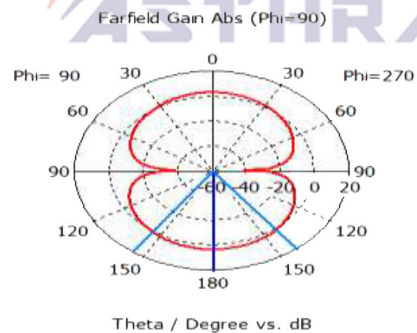
For 2.4GHz:



— farfield (f=2.4) [1]

Frequency = 2.4
 Main lobe magnitude = 2.71 dB
 Main lobe direction = 179.0 deg.
 Angular width (3 dB) = 74.2 deg.

For 2.45GHz:



— farfield (f=2.45) [1]

Frequency = 2.45
 Main lobe magnitude = 2.78 dB
 Main lobe direction = 179.0 deg.
 Angular width (3 dB) = 73.5 deg.