

# Wi-Fi Dual Band (2.4/5.8GHz) Flexible Antenna

TECHNICAL DATA SHEET

07-17-001-01A

## Applications

- Integrate into self-contained wireless equipment
- Embedded applications requiring integration flexibility
- 2.4 GHz and 5.8 GHz band applications
- IEEE 802.11a/b/g/n WiFi systems
- Bluetooth devices

## Model & Features

- Designed for Omni-directional applications
- Dual frequency 2.4/5.8 GHz
- Low profile, compact size
- U.FL/IPX connector



## Description

A dual band 2.4/5.8 GHz Omni-directional antenna designed to directly integrate into devices requiring wireless capability. By embedding these antennas directly into a device, the need for external antennas is eliminated. The dual band antenna design makes it ideal for multipoint and mobile wireless systems since it provides 360° of coverage.

## Specifications

### Mechanical Specifications

<b>Connector</b>	U.FL/IPX*
<b>Antenna Lead</b>	1.37mm coax
<b>Antenna Lead Length</b>	100mm
<b>Dimensions</b>	52 x 10 x 0.12mm
<b>Antenna Body material</b>	Flexible polymer
<b>Weight</b>	1.2g

### Electrical Specifications

<b>Frequency Range</b>	2400-2500 / 5000-5900 MHz
<b>Gain</b>	2.51dBi / 4.9 dBi
<b>Polarization</b>	Linear
<b>Radiation Pattern</b>	Omni
<b>VSWR</b>	≤ 2.0

\*Note: . Specifications & Dimensions may vary as per the requirements

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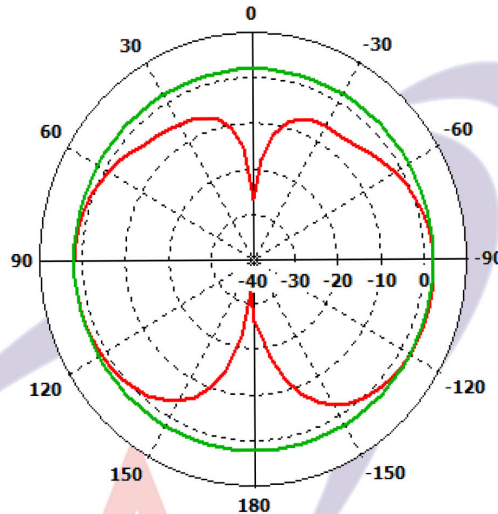
#LIG- B329, Near old HMTV, Dr.A.S.Rao Nagar,  
ECIL Post, Hyderabad-500062. Ph: 040-40264887  
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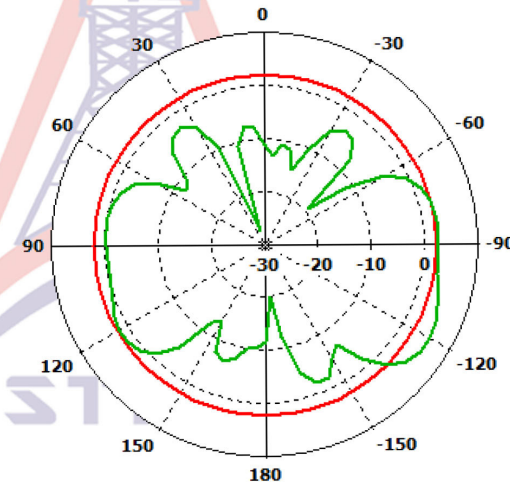
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## RF Antenna Patterns



Freq: 2.45 GHz  
Gain: 2.51 dBi



Freq: 5 GHz  
Gain: 4.6 dBi

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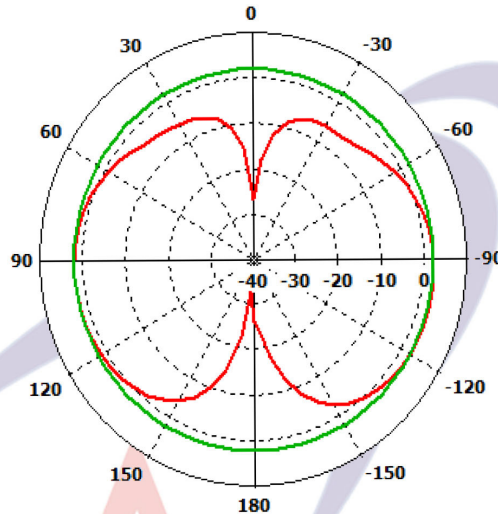
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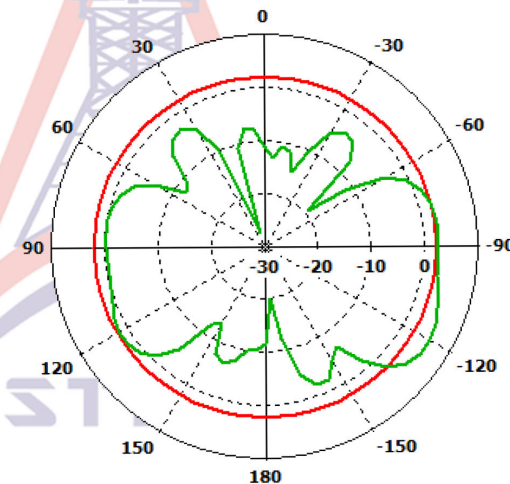
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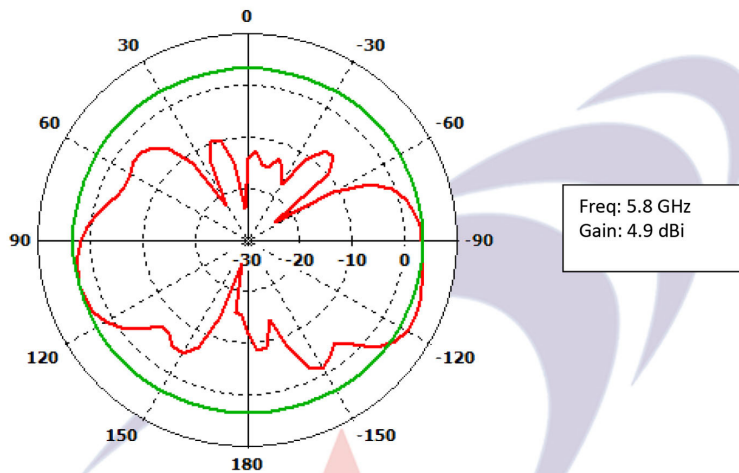
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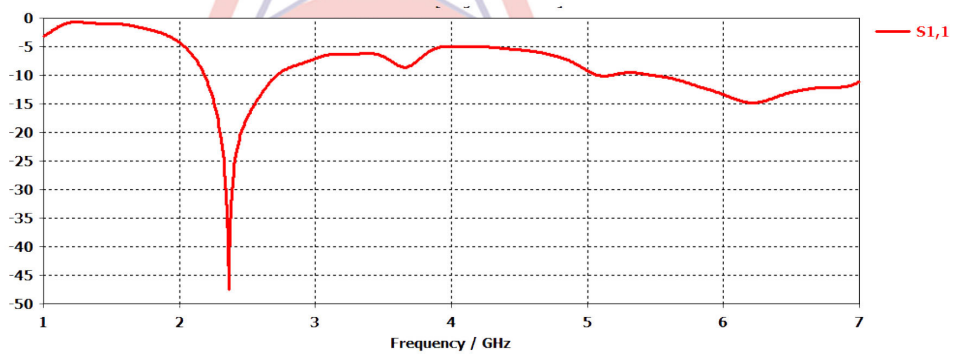
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Return Loss:



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