

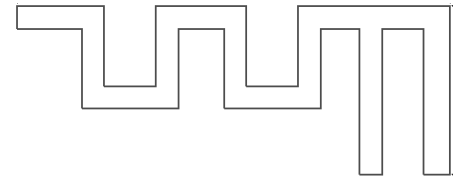
2.4GHz PCB Antenna: PAN1455A1P2G45

Application:

WLAN, 802.11b/g, Bluetooth, etc...

Features

high reliability, ultra Impact, Omni-directional...



Part number

PAN 1455 - A1 P 2G45
(1) (2) (3) (4) (5)

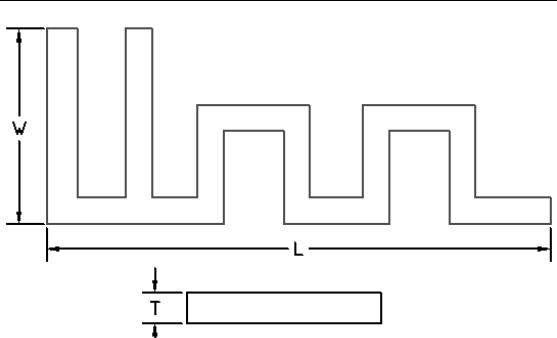
(1)Product Type	PCB Antenna
(2)Size Code	14.64x5.65mm
(3)Type Code	A1
(4)Packing	Plastic Tray
(5)Frequency	2.45GHz

Electrical Specification

Working Frequency Range	2400 ~2484 MHz
Peak Gain	1.5dBi
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(°C)	-40 ~85°C

The specification is defined on EVB.

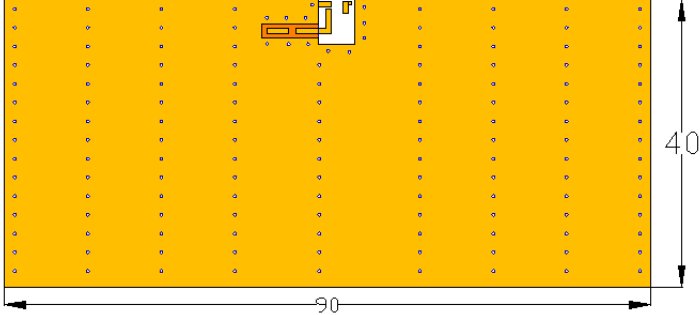
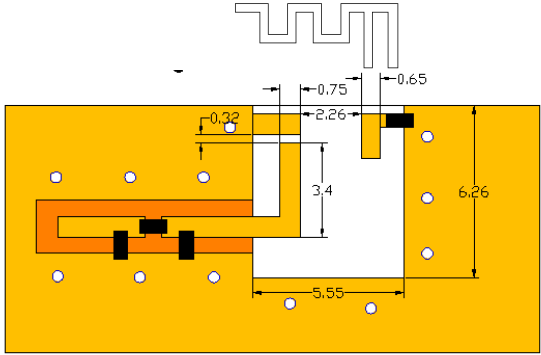
Dimension and Terminal Configuration

Figure	Symbol	Dimension (mm)
	L	14.65 ± 0.20
	W	5.64 ± 0.20
	T	1.6± 0.10

Manufacturer:Shenzhen Linklite Smart Lighting Co., Ltd
4th floor, 3 building, Yangbei industrial park 1st phase, Huangtian, Hangcheng street, Bao'an distr, Shenzhen 518126, China

2.4GHz PCB Antenna: PAN1455A1P2G45

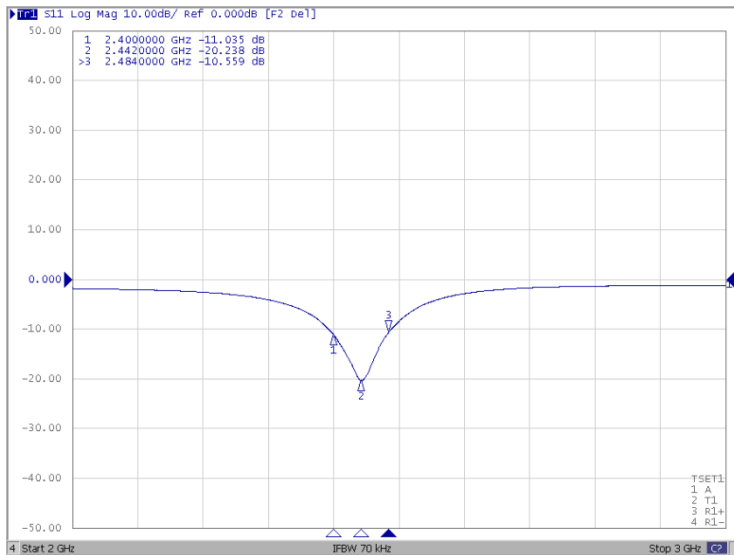
Evaluation Board Reference

PCB Dimension	Antenna Layout Reference
<p style="text-align: center;">PCB Dimension</p> 	<p style="text-align: center;">Antenna Layout Reference</p>  <p style="text-align: right;">unit :mm</p>

Electrical Characteristics

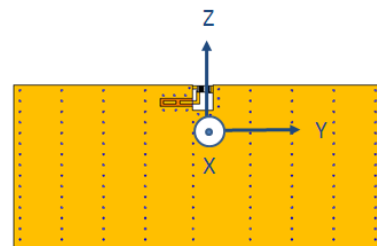
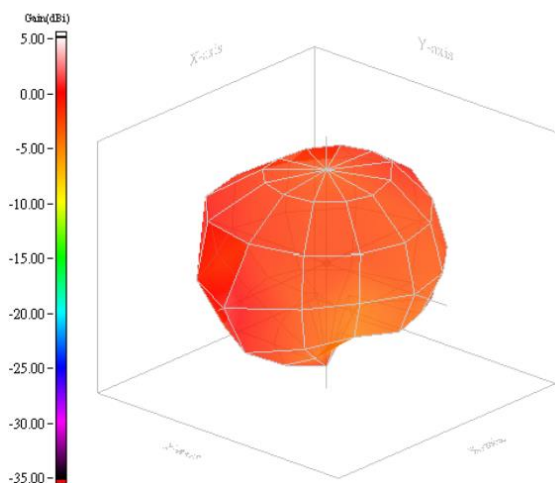
Return Loss & Radiation

Return Loss

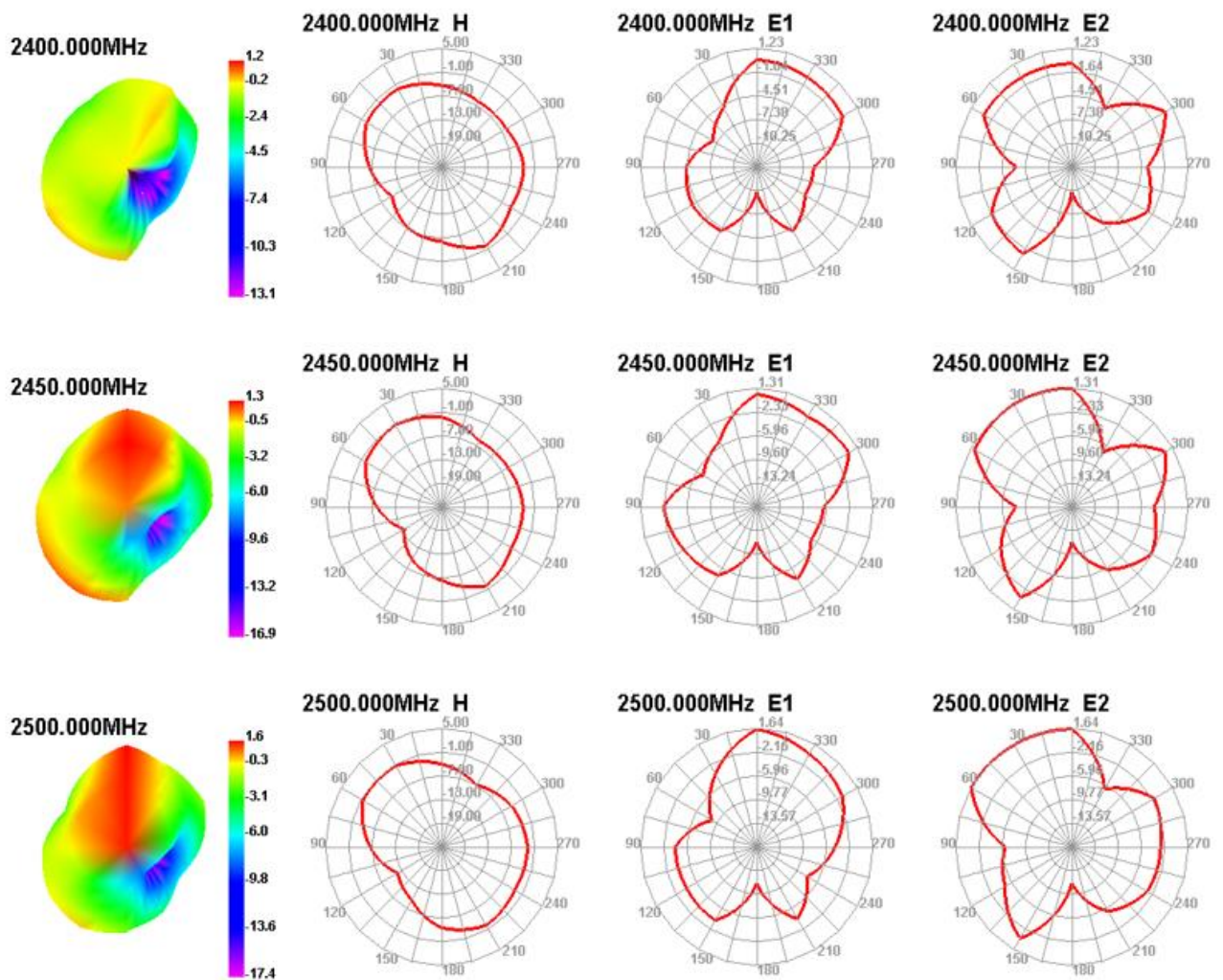


Frequency (MHz)	S11 (dB)
2400	-11.0
2442	-20.2
2484	-10.6

Radiation



Max gain= 0.79dBi, at (90, 0)
 MEG (mean effective gain)=-2.38dBi
 Directivity(dB)= 3.16
 Efficiency=-2.37dB, 57.92%



FRE (MHz)	2400	2450	2500
VSWR	1.72	1.60	1.60
Return Loss	-11.49	-12.70	-12.70
Eff (%)	53.3	52.1	51.7
Gain(dBi)	1.5	-1.3	-2.86