

Purpose

This report is to measure the performance of PCB antenna for H01. The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter

Antenna Type: PCB antenna

Manufacturer : Shenzhen Lanyao Technology Co. , Ltd.

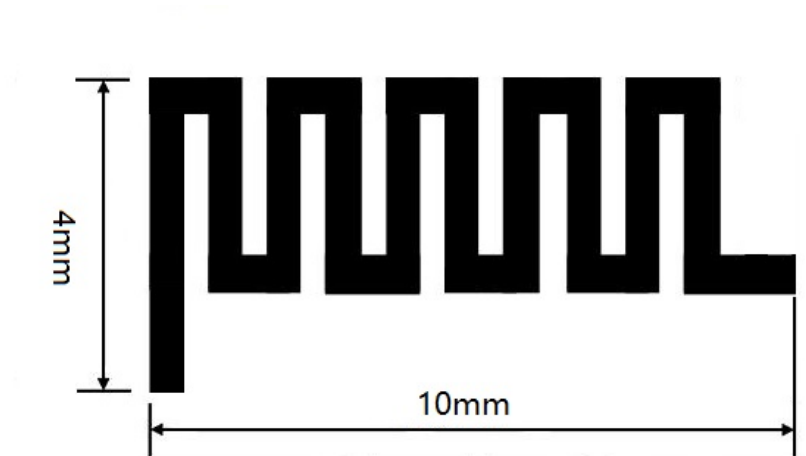
Address: Room 303, building B 1, Quanbao industrial zone,no.32,
Guanghui Road, Shiyan Street, Bao'an district, Shenzhen, 518129
China

2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	CMW500 & CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

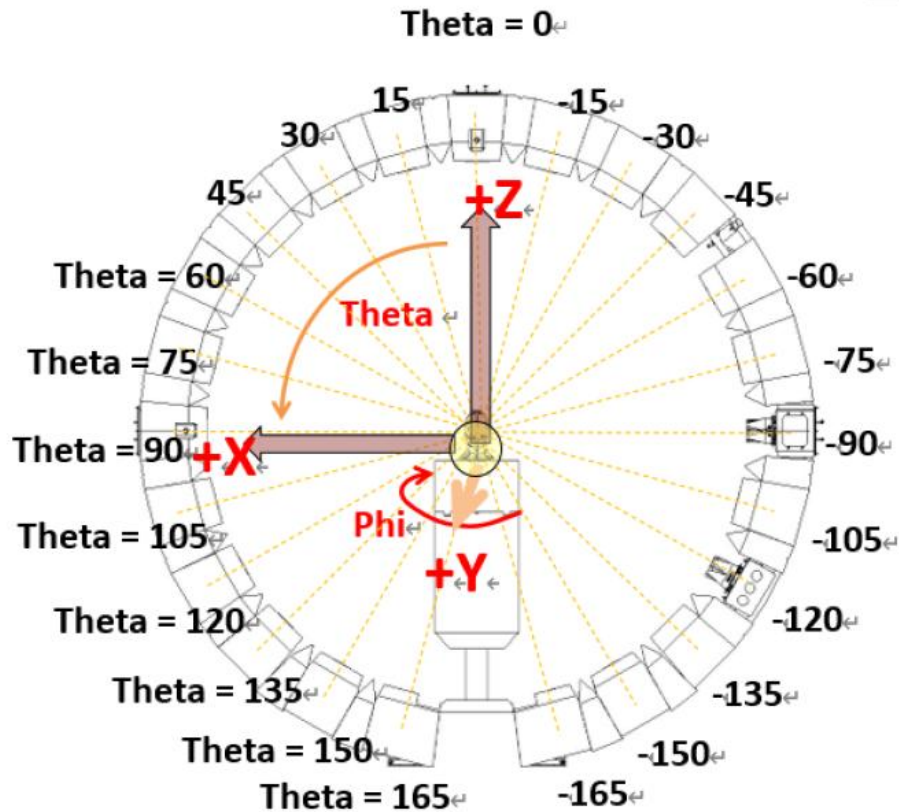


Antenna size



Test Result

Sample status & coordinates



Test Result

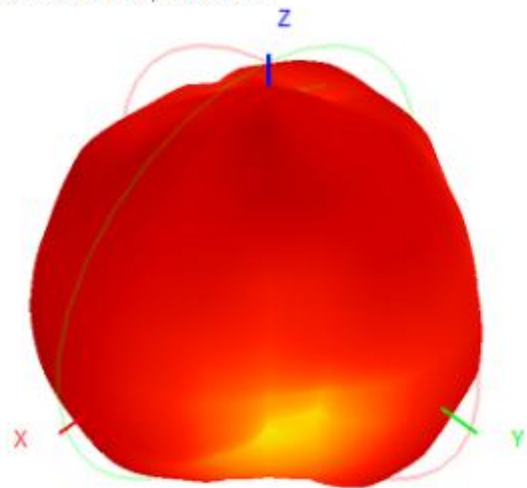
Gain & Efficiency—PCB- ANT(L/R)

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	25.25	-1.57
2410	26.57	-1.06
2420	26.52	-1.09
2430	29.04	-0.67
2440	29.29	-0.66
2450	29.57	-0.57
2460	29.96	-0.42
2470	30.62	-0.63
2480	29.30	-0.83
2490	28.31	-0.83
2500	28.01	-0.64

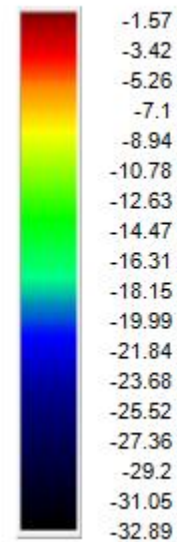
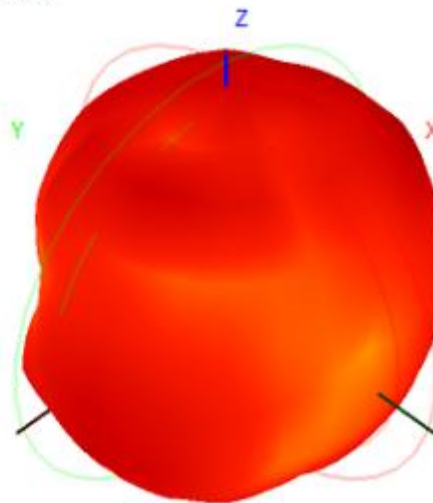
Test Result

3D—PCB- ANT

2400.0MHz H+V, Eff: 25.2%



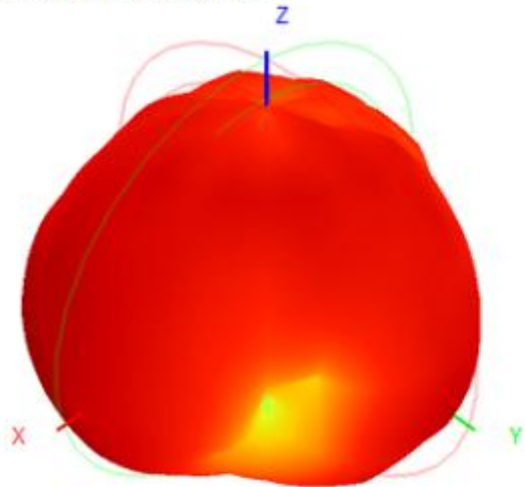
Back View



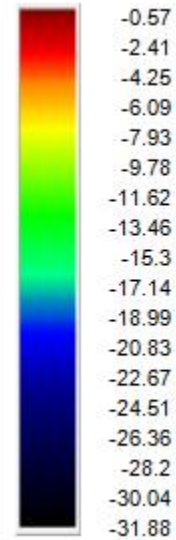
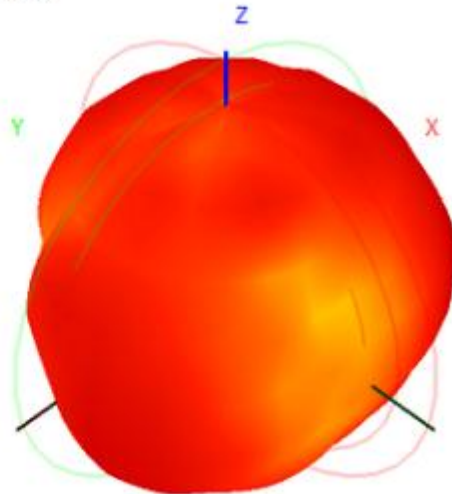
Test Result

3D—PCB- ANT

2450.0MHz H+V, Eff: 29.6%



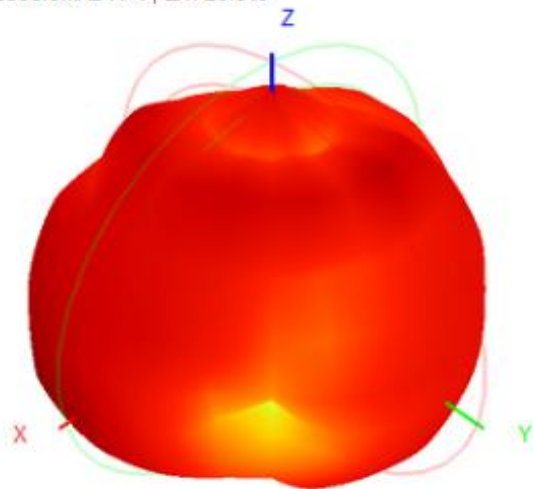
Back View



Test Result

3D—PCB- ANT

2500.0MHz H+V, Eff: 28.0%



Back View

