

# Antenna Specification

## 1. Antenna Describe

Antenna Manufacturer	LiteStar Electronics Technology Co.,LTD.
Antenna Address	Xingchen Science & Technology Park,Lianbi Road, Wulian Industry Area Fenggang Town, Dongguan, China
Antenna Model	LS-2
Antenna Type	PCB Antenna
Antenna Gain	0dBi Max
Frequency Rang	2400-2500MHz
VSWR	$\leq 3$
Input Impedance	50 $\Omega$

## 2. External View Drawing



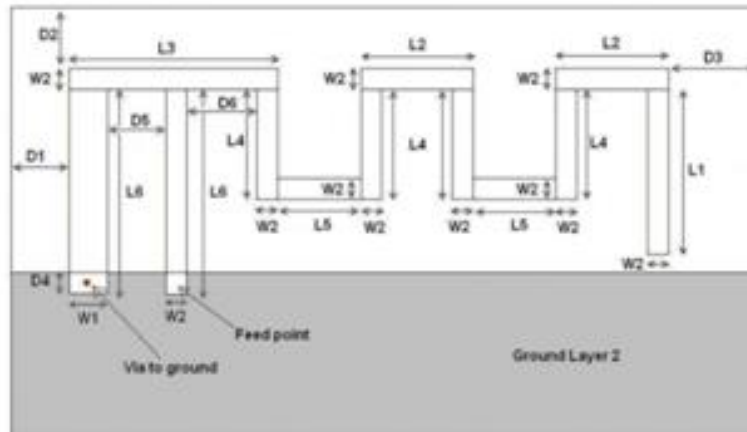


Figure 3: Antenna Dimensions

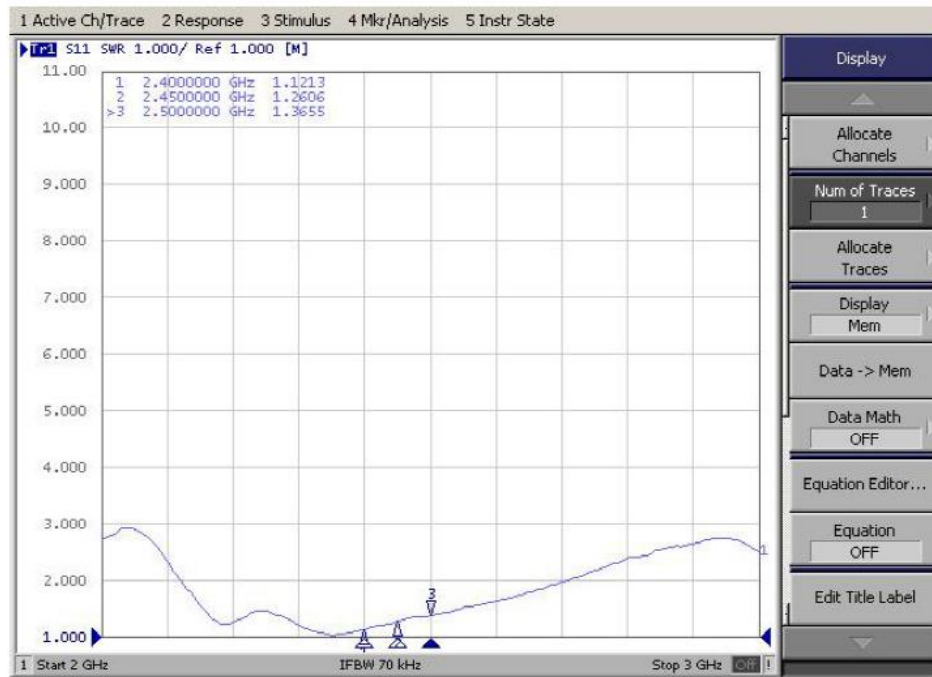
L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

### 3. Measurement Result

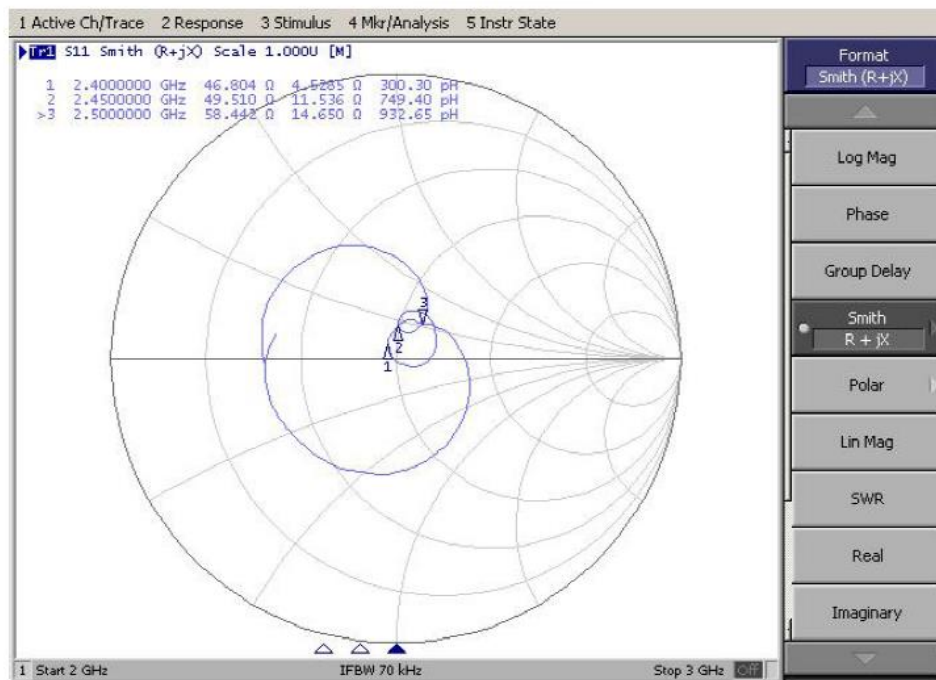
#### 3.1 Antenna performance test diagram

## SWR



#### 3.2 Smith

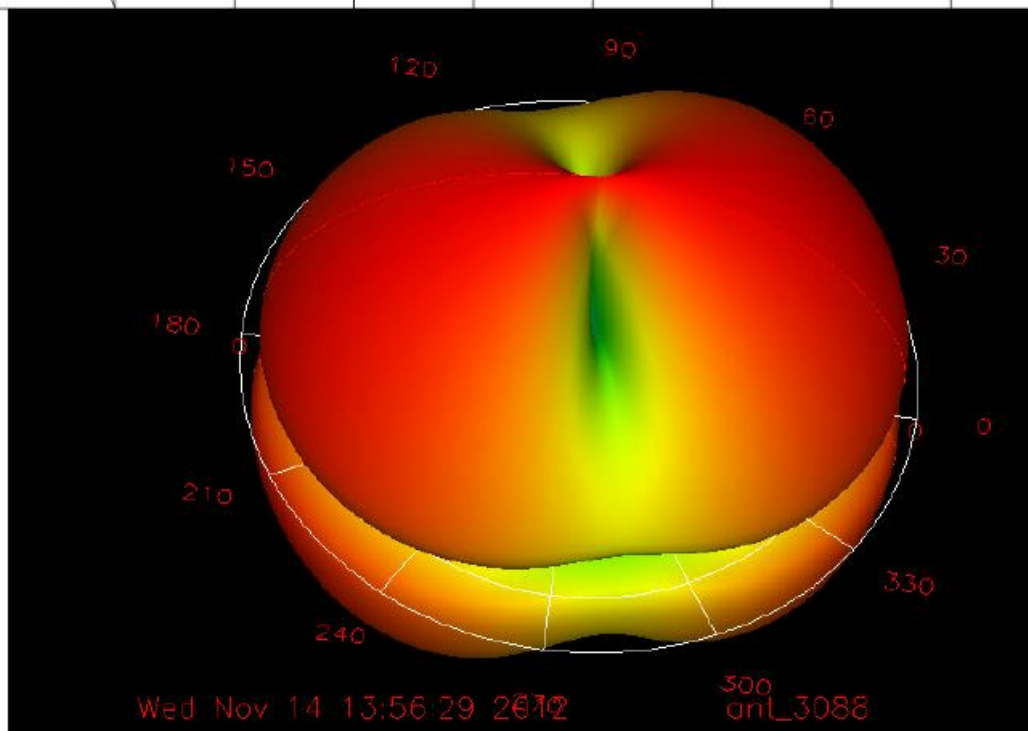
## Smith



### 3.3 Antenna Radiation Pattern

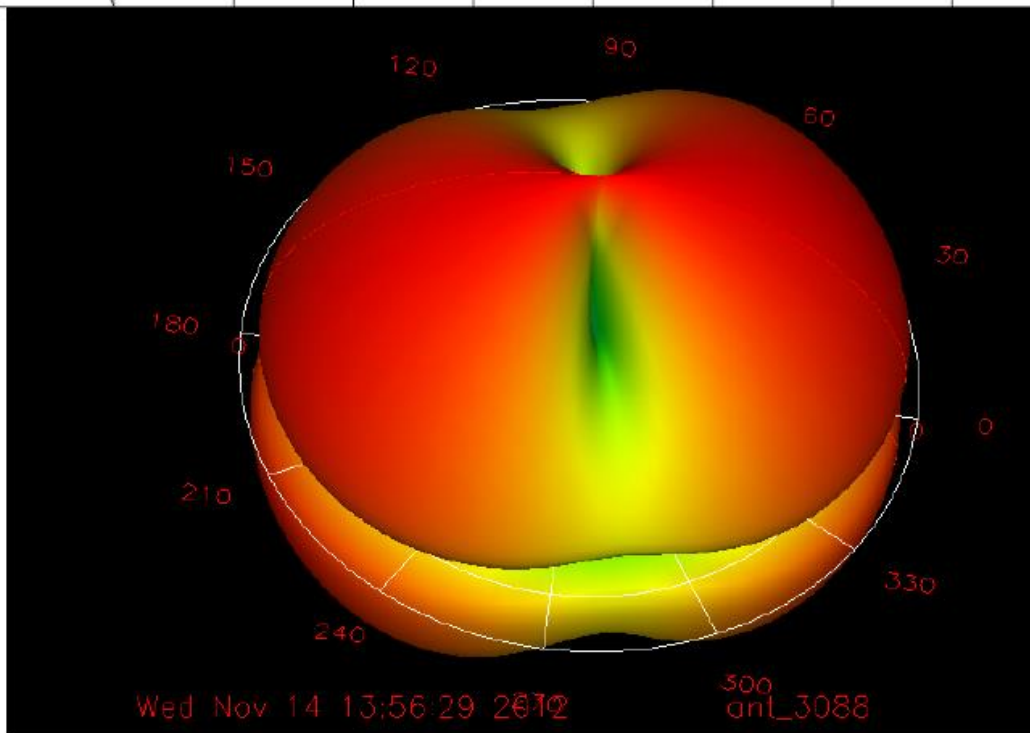
Radiation Pattern@2.4GHz

Phi	0	45	90	135	180	235	270	315
Gain	-0.2	-0.1	-0.6	-0.4	-0.3	-0.4	-0.9	-0.7



Radiation Pattern@2.45GHz

Phi	0	45	90	135	180	235	270	315
Gain	-0.1	-0.2	-0.3	-0.7	-0.3	-0.3	-0.5	-0.6



Radiation Pattern@2.5GHz

Phi	0	45	90	135	180	235	270	315
Gain	0	0	-0.1	-0.3	-0.1	-0.4	-0.5	-0.6

