

product model name\_antenna model name\_PCB Antenna

Manufacturers:Shenzhen Yueshitong Technology Co. , Ltd.

Address:5th Floor, Building 2, Hongchong Industrial Park, Longxi Community,  
Longgang Street, Longgang District, Shenzhen

Test Equipment:XXXX

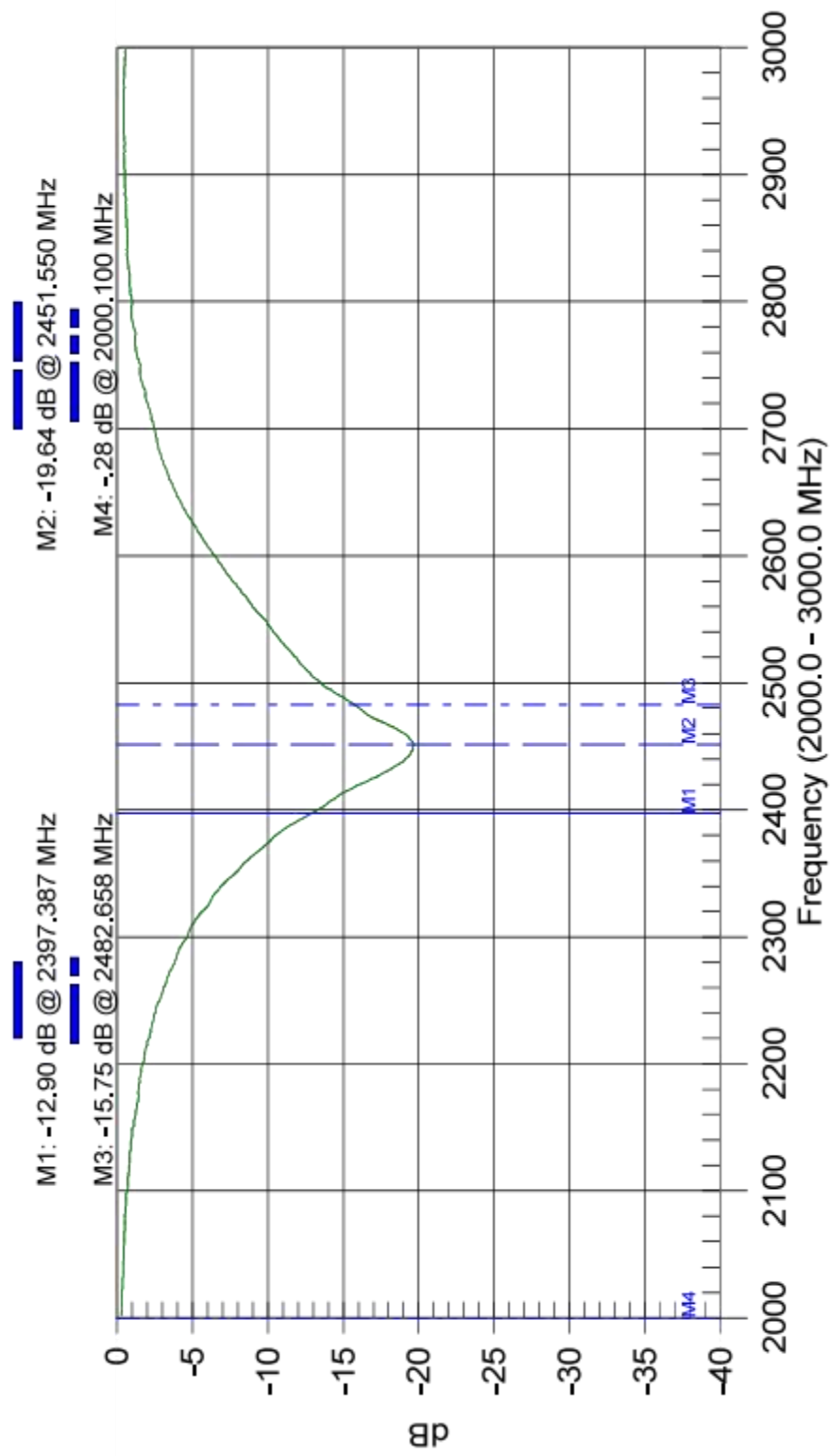
1. Electrical Characteristics

| No. | Item                      | Specifications   |
|-----|---------------------------|------------------|
| 1   | Working Central Frequency | 2450 MHz         |
| 2   | Band Width                | 2400~2500MHZ     |
| 3   | Gain                      | 0~2dbi           |
| 4   | V.S.W.R (in BW)           | ≤2.0             |
| 5   | Polarization              | Linear           |
| 6   | Azimuth Beam width        | Omni-directional |
| 7   | Impedance 阻抗              | 50 Ω             |

## 2.Return Loss and Smith Chat

### Return Loss

Current



Resolution: 517  
Std: ---  
Date: Sep/02/2009  
Model: S332D

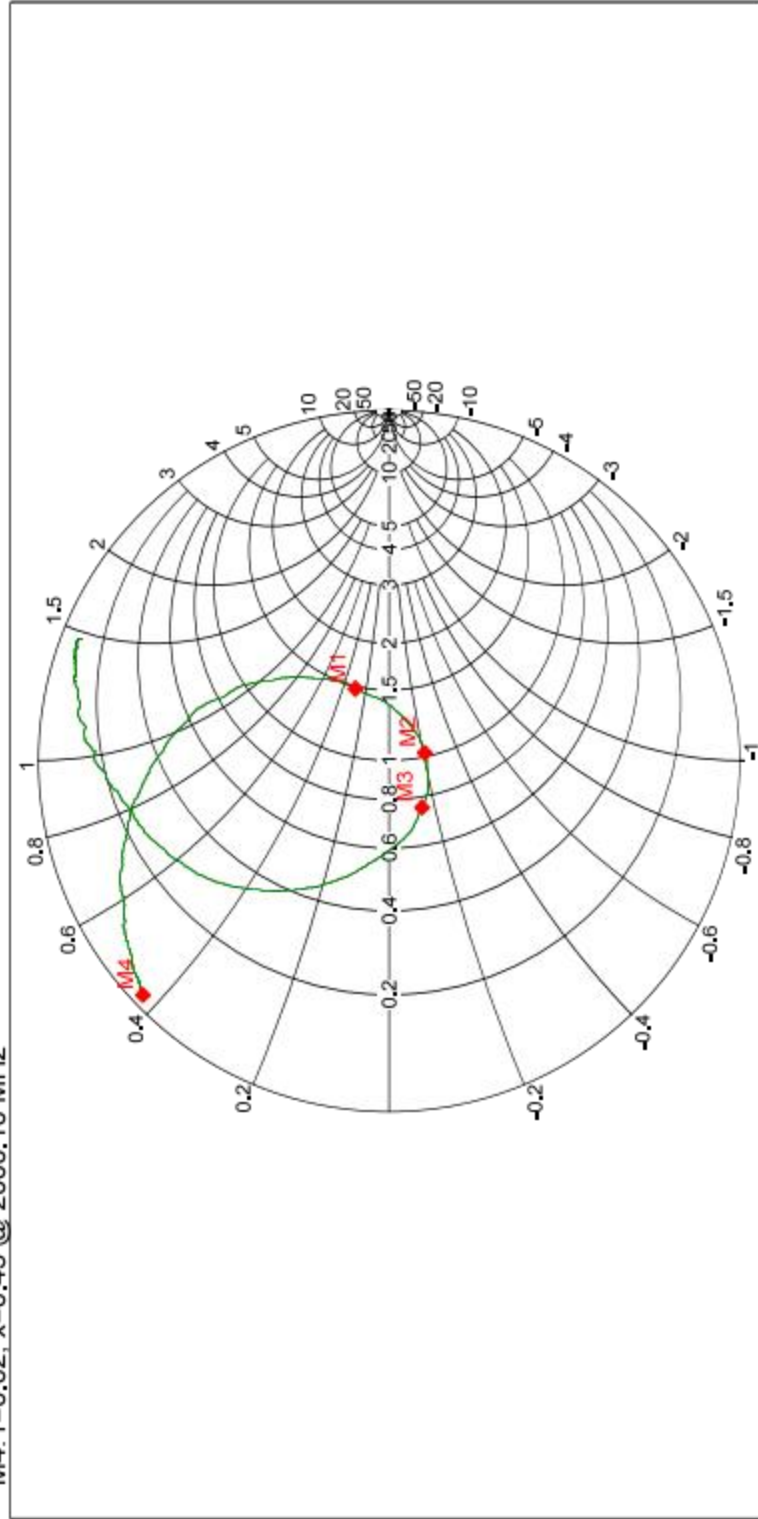
FlexCAL:ON(COAX)  
Channel: N/A  
Time: 14:16:43  
Serial #: 00924093

CW: ON

# Smith Chart

Current

$\diamond$   $\diamond$   $\diamond$   
 M1:  $r=1.48$ ,  $x=0.30$  @ 2397.387 MHz    M2:  $r=1.02$ ,  $x=-0.21$  @ 2451.65 MHz    M3:  $r=0.75$ ,  $x=-0.14$  @ 2482.658 MHz  
 M4:  $r=0.02$ ,  $x=0.43$  @ 2000.10 MHz



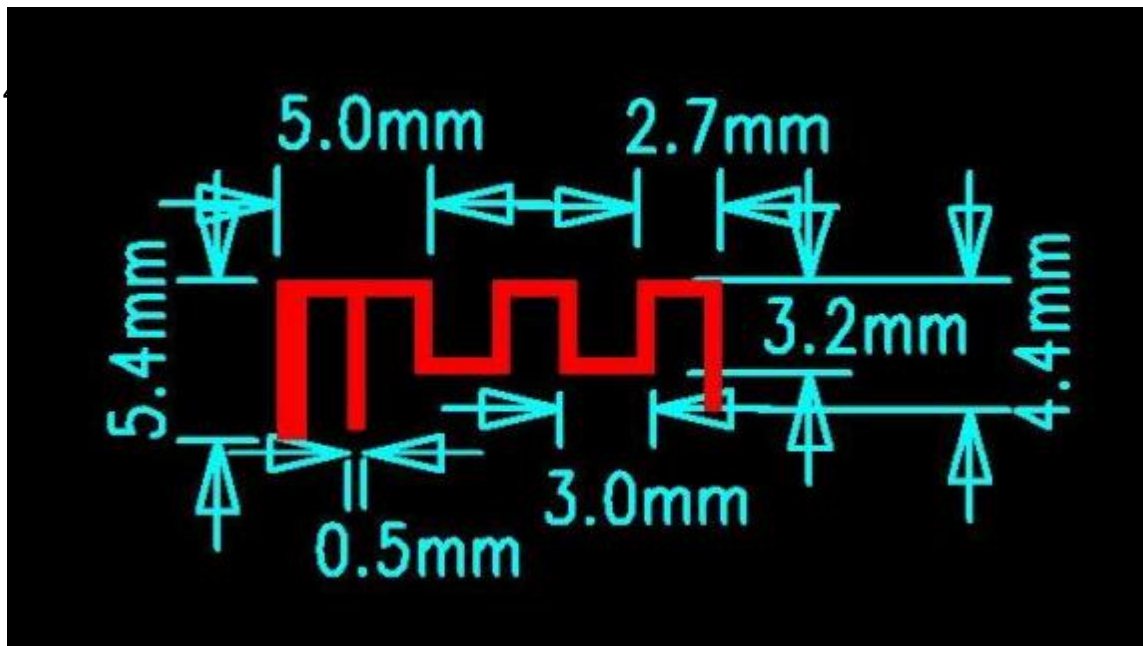
Resolution: 517  
 Date: Sep/02/2009  
 Model: S332D

FlexCAL:ON(COAX)  
 Time: 14:16:43  
 Serial #: 00924093

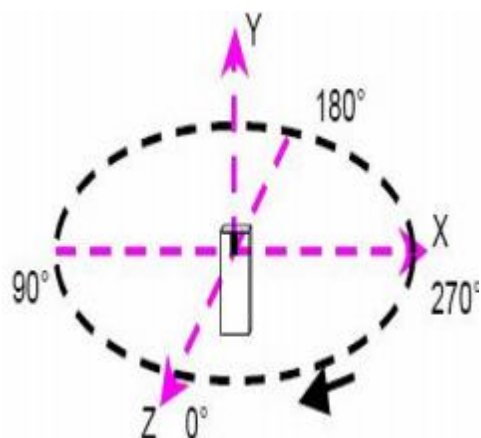
CW ON  
 Prop. Vel.: 800

## 3. Physical Test Environment

### Antitsu S332D



Efficiency:



| Passive Test For 2.4G |          |           |            |            |         |          |          |          |             |             |
|-----------------------|----------|-----------|------------|------------|---------|----------|----------|----------|-------------|-------------|
| Freq (MHz)            | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHS (%) | DHIS (%) | Max (dB) | Min (dB) | Attenut Hor | Attenut Ver |
| 2400                  | 37.84    | -4.71     | 1          | -1.15      | 20.49   | 13.34    | 1        | -18.78   | 48.68       | 48.28       |
| 2450                  | 41.37    | -3.07     | 1.38       | -0.79      | 25.804  | 23.568   | 1.38     | -17.29   | 49.65       | 49.56       |
| 2500                  | 37.84    | -4.15     | 1.05       | -1.1       | 22.597  | 15.831   | 1.05     | -21.84   | 49.65       | 49.56       |

