



深圳市南斗星科技有限公司  
SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

## Antenna specification

Manufacturer: SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

Product Model: 2.4G WIFI Ant1

Frequency range: 2400-2500MHz

## Test Equipment & Conditions

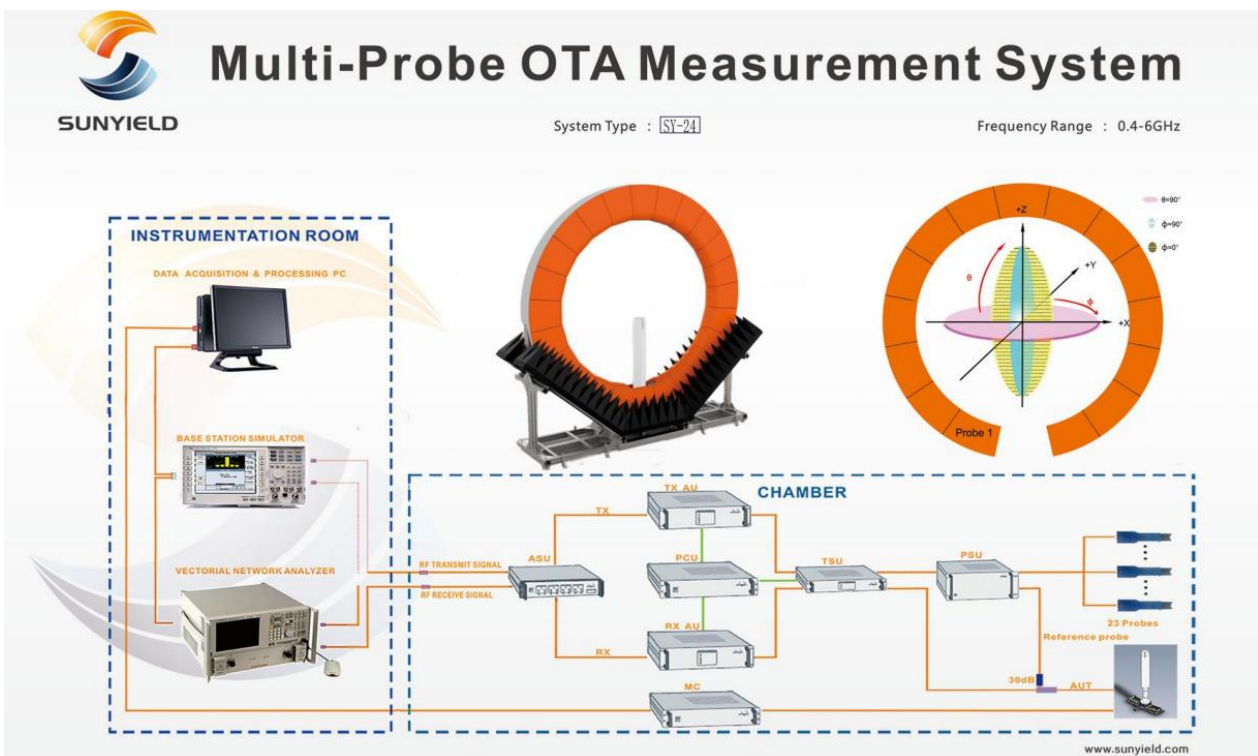
### 1. NetWork Analyzers:

Keysight E5071C

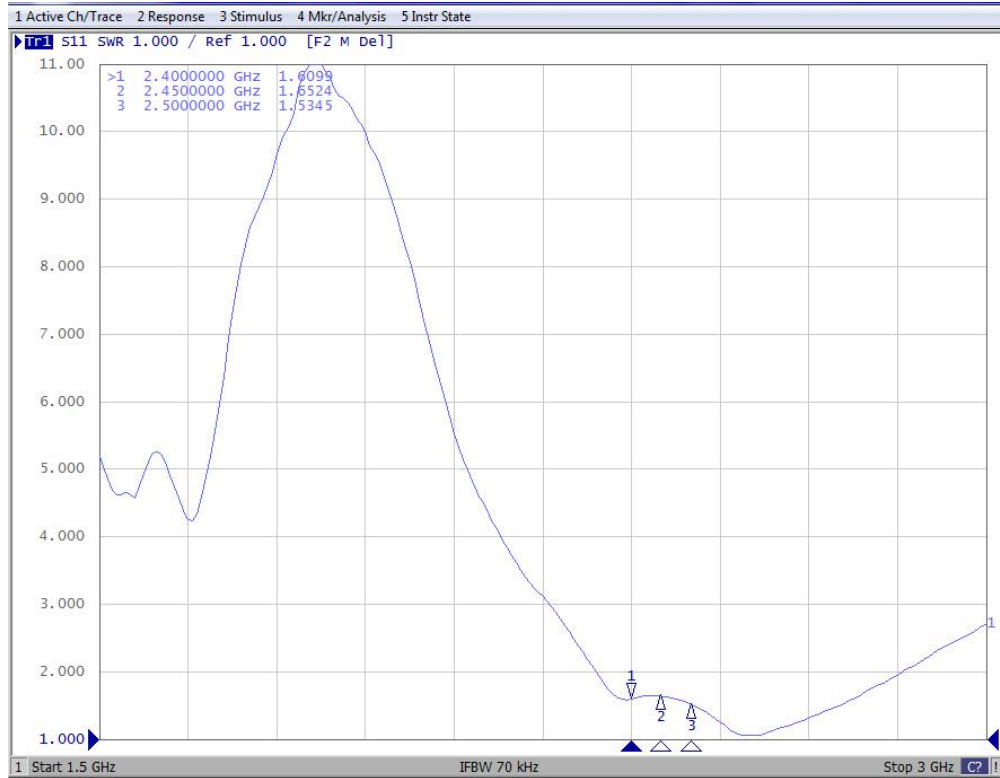
### 2. Comprehensive tester:

CMW50/MT8000A/MT8862A

### 3. 3D Chamber Test System:



## Antenna Impedance: S11

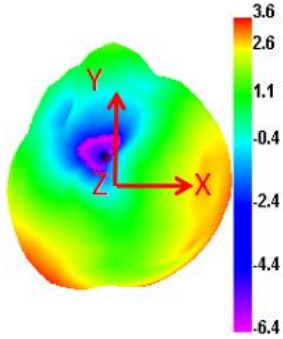


## Efficiency & Antenna Gain:

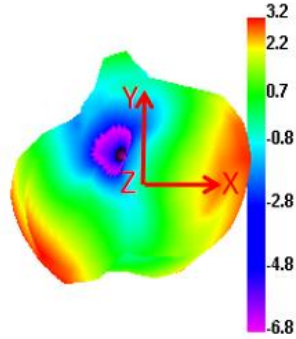
Freq (MHz)	Effi (%)	Effi (dB)	Peak Gain (dBi)
2400	71.75	-1.44	3.58
2410	69.66	-1.57	3.26
2420	67.3	-1.72	3.15
2430	65.93	-1.81	3.01
2440	69.99	-1.55	3.05
2450	76.51	-1.16	3.23
2460	79.89	-0.98	3.4
2470	77.39	-1.11	3.25
2480	75.18	-1.24	3.1
2490	77.45	-1.11	3.11
2500	74.62	-1.27	3.6
avg.	73.24	-1.36	3.25

## Antenna 3D & 2D pattern:

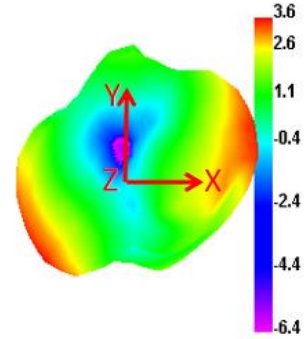
2400.000MHz



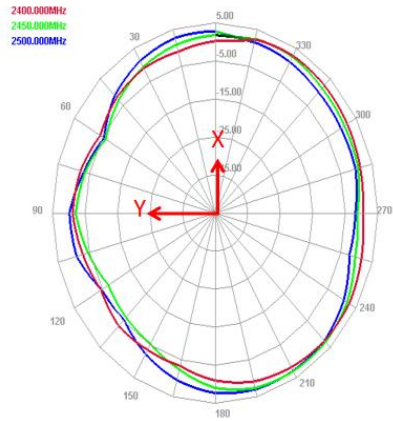
2450.000MHz



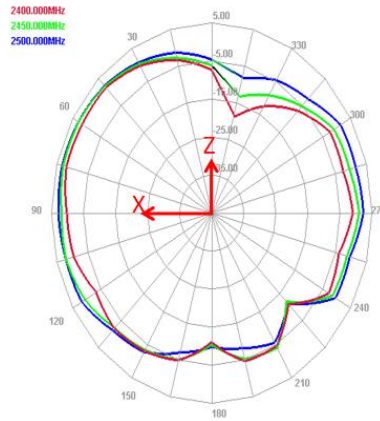
2500.000MHz



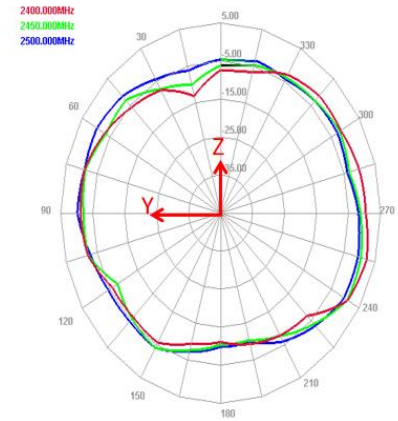
Horizontal



E1 Face



E2 Face



# Antenna position & Size

