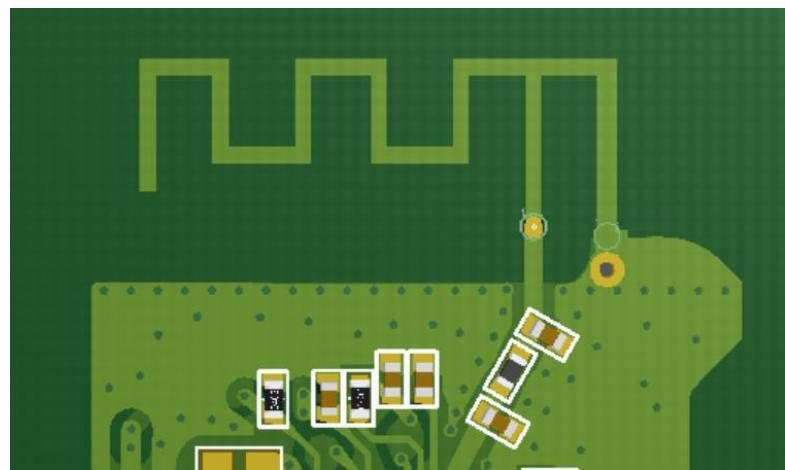


# Antenna OTA Test Report

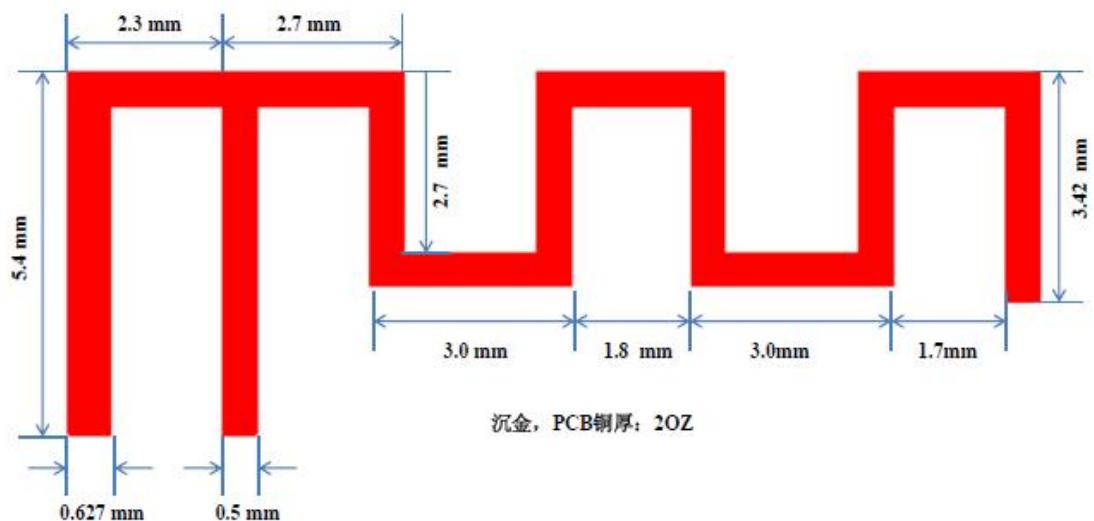
## For

### SENSOR-ANT-A

<b>Customer</b>	Shenzhen four bo smart link technology Co., LTD	<b>Demo</b>	SENSOR-TH
<b>Band</b>	2.4G	<b>Color</b>	Green
<b>Antenna Type</b>	PCB Antenna	<b>Version</b>	V1.0
<b>Issued by</b>	Jason	<b>Checked by</b>	Mem
<b>Confirmed by</b>	Zhang	<b>TEL</b>	13728181324
<b>Manufacturer</b>	Dongguan Percsson Communication Equipment Co., Ltd		
<b>Address</b>	Room 502, Building 1, 358 Daxing Road, Yangwu, Dalingshan Town, Dongguan City, Guangdong Province		



SENSOR-TH WiFi Product



Antenna Dimension for SENSOR-TH

# Product Specification

## A. Electrical Characteristics

**Frequency 2400MHz ~2500MHz**

**VSWR <3.0**

**Efficiency >30%**

**Impedance 50 Ohm**

**Polarization Line**

**Gain 0.17dBi**

## B. Material & Mechanical Characteristics

**Material of Radiator Cu**

**Cable Type 1.0 19P**

**Connector Type : NO**

**Dimension**

## C. Environmental

**Operation Temperature - 30 °C ~ + 80 °C**

**Storage Temperature - 30 °C ~ + 85 °C**

# Test Equipment & Conditions

## 1. Network Analyzers :

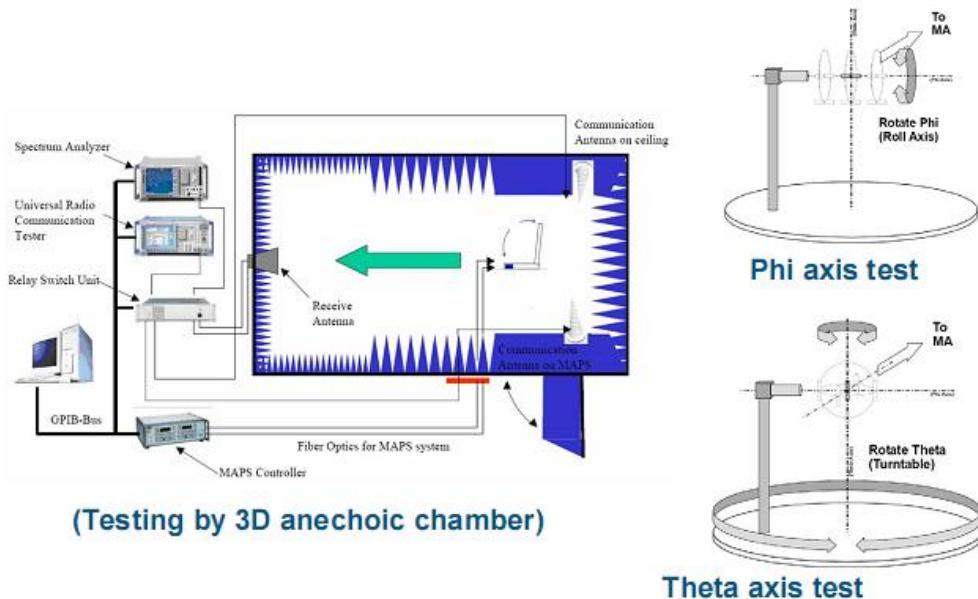
Agilent 8753D 5071B

## 2. Communications Test Set:

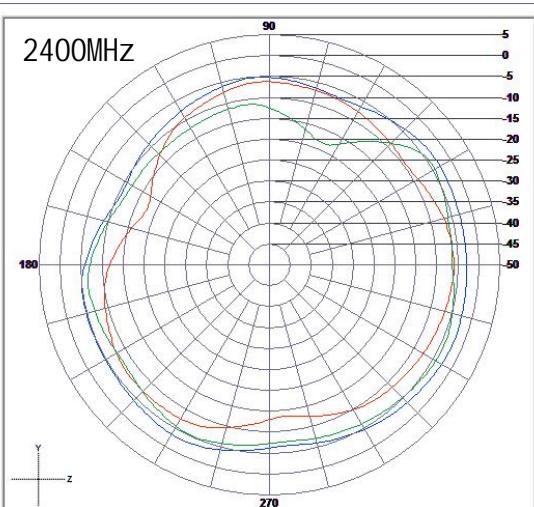
Agilent E5515C

## 3. 3D Chamber Test System

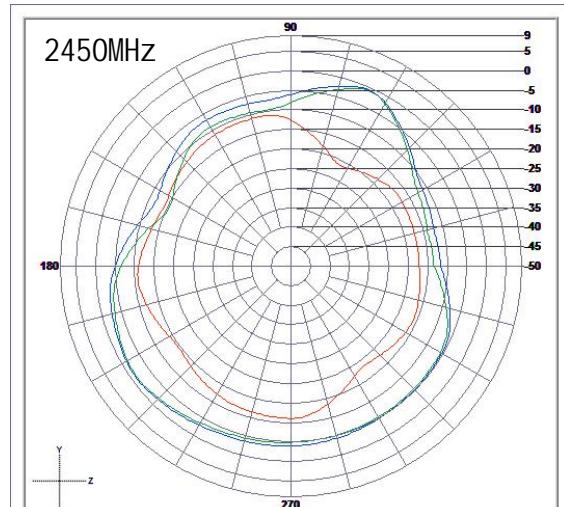
# Efficiency & Gain



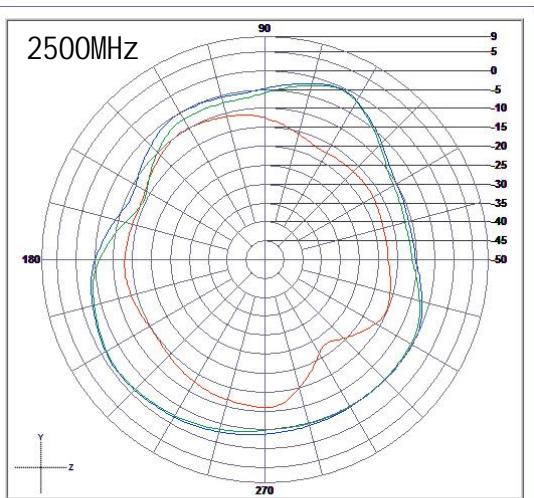
## Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-8.4	-6.99	-4.63
Peak Gain	-5.48	-3.77	-2.17



	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12



	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17

