



REPORT No. : SZ15050155E10

# ANTENNA PERFORMANCE TEST REPORT

**APPLICANT** : Testo Instruments (Shenzhen) Co., Ltd  
**PRODUCT NAME** : testo Saveris 2  
**MODEL NAME** : T1/T2/T3/H1/H2  
**TRADE NAME** : testo  
**BRAND NAME** : testo  
**STANDARD(S)** : IEEE149-1979  
**ISSUE DATE** : 2015-07-16



**SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.**

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# DIRECTORY

**TEST REPORT DECLARATION**.....3

**1. TECHNICAL INFORMATION**.....4

1.1. **APPLICANT INFORMATION**.....4

1.2. **EQUIPMENT UNDER TEST (EUT) DESCRIPTION**.....4

1.2.1. **PHOTOGRAPHS OF THE EUT** .....4

1.2.2. **IDENTIFICATION OF ALL USED EUTS** .....4

**2. TEST RESULTS** .....4

2.1. **APPLIED REFERENCE DOCUMENTS** .....4

2.2. **TEST CONDITIONS** .....5

2.3. **TEST RESULTS LISTS**.....5

2.3.1. **GAIN** .....5

**ANNEX A TEST SETUP**.....6

**ANNEX B FIGURES**.....7

1. **2D RADIATION PATTERN**.....7

2. **3D RADIATION PATTERN**.....9

**ANNEX C PHOTOGRAPHS** .....11

**ANNEX D GENERAL INFORMATION** .....12

Change History		
Issue	Date	Reason for change
1.0	2015-07-17	First edition



### Test Report Declaration

Applicant	Testo Instruments (Shenzhen) Co., Ltd
Applicant Address	Block A, B4 Building, China Merchants Guangming Sci&Tech Park, No.3009 Guan Guang Road, Guangming New District, Shenzhen City
Manufacturer	Testo Instruments (Shenzhen) Co., Ltd
Manufacturer Address	Block A, B4 Building, China Merchants Guangming Sci&Tech Park, No.3009 Guan Guang Road, Guangming New District, Shenzhen City
Product Name	testo Saveris 2
Model Name	T1/T2/T3/H1/H2
Brand Name	testo
Test Standards	IEEE149-1979
Test Date	2015-07-02
Test Result	N/A

Tested by : Chi Shide  
Chi Shide

Reviewed by : Huang Pulong  
Huang Pulong

Approved by : Zeng Dexin  
Zeng Dexin



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant Information

Company: Testo Instruments (Shenzhen) Co., Ltd  
Address: Block A, B4 Building, China Merchants Guangming Sci&Tech Park, No.3009  
Guan Guang Road, Guangming New District, Shenzhen City

## 1.2. Equipment under Test (EUT) Description

Brand Name:	testo
Trade Name:	testo
Model Name:	T1/T2/T3/H1/H2

### 1.2.1. Photographs of the EUT

Please reference ANNEX C.

### 1.2.2. Identification of all used EUTs

The EUT identity consists of numerical and letter characters, the letter character indicates the test sample, and the following two numerical characters indicate the software version of the test sample.

EUT Identity	Hardware Version	Software Version
A01	V1.1	V1.42

# 2. Test Results

## 2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE149-1979	IEEE Standard Test Procedures for Antennas



## 2.2. Test Conditions

Test Environment Conditions:

Relative Humidity:	25 ... 75 %
Temperature:	+10 °C to +30 °C

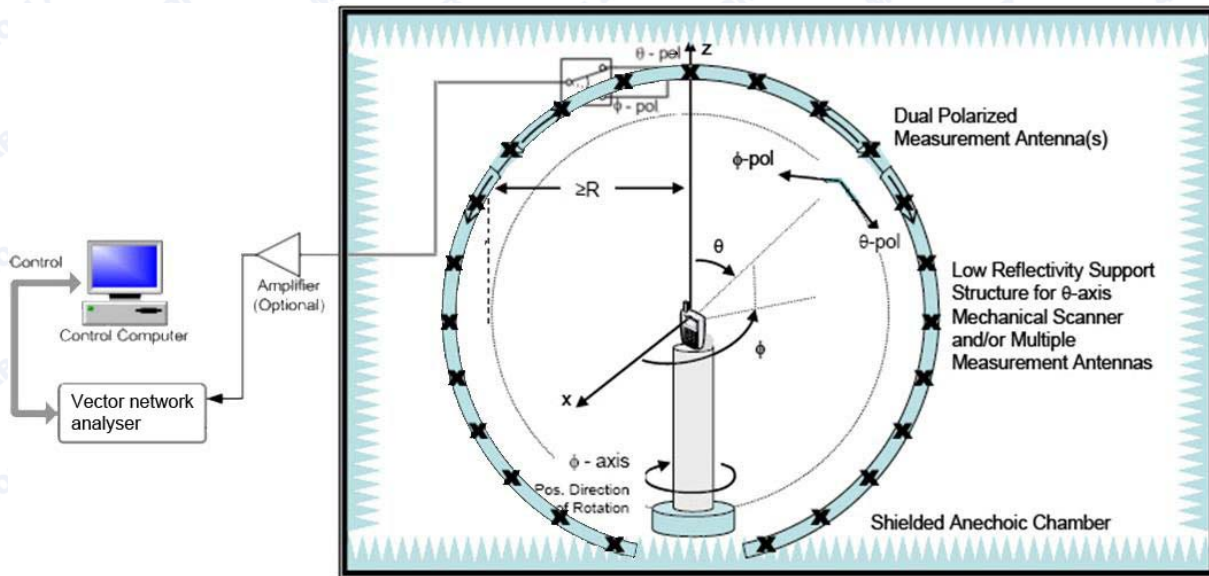
## 2.3. Test Results lists

### 2.3.1. Gain

Frequency	Gain(dBi)
2400MHz	-4.81562
2410MHz	-4.52211
2420MHz	-4.25776
2430MHz	-3.99749
2440MHz	-3.7237
2450MHz	-3.7408
2460MHz	-3.71292
2470MHz	-3.40024
2480MHz	-3.12239
2490MHz	-2.4609
2500MHz	-1.68038

## Annex A Test Setup

### 1. Test Setup

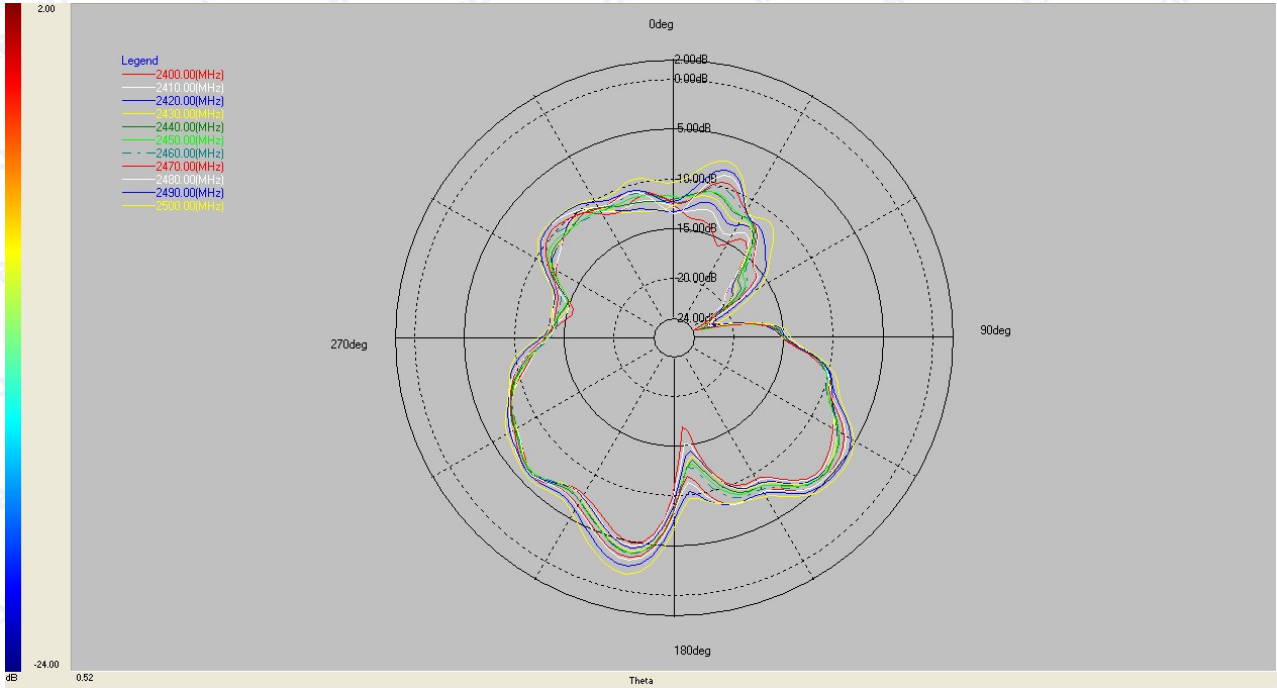




## Annex B Figures

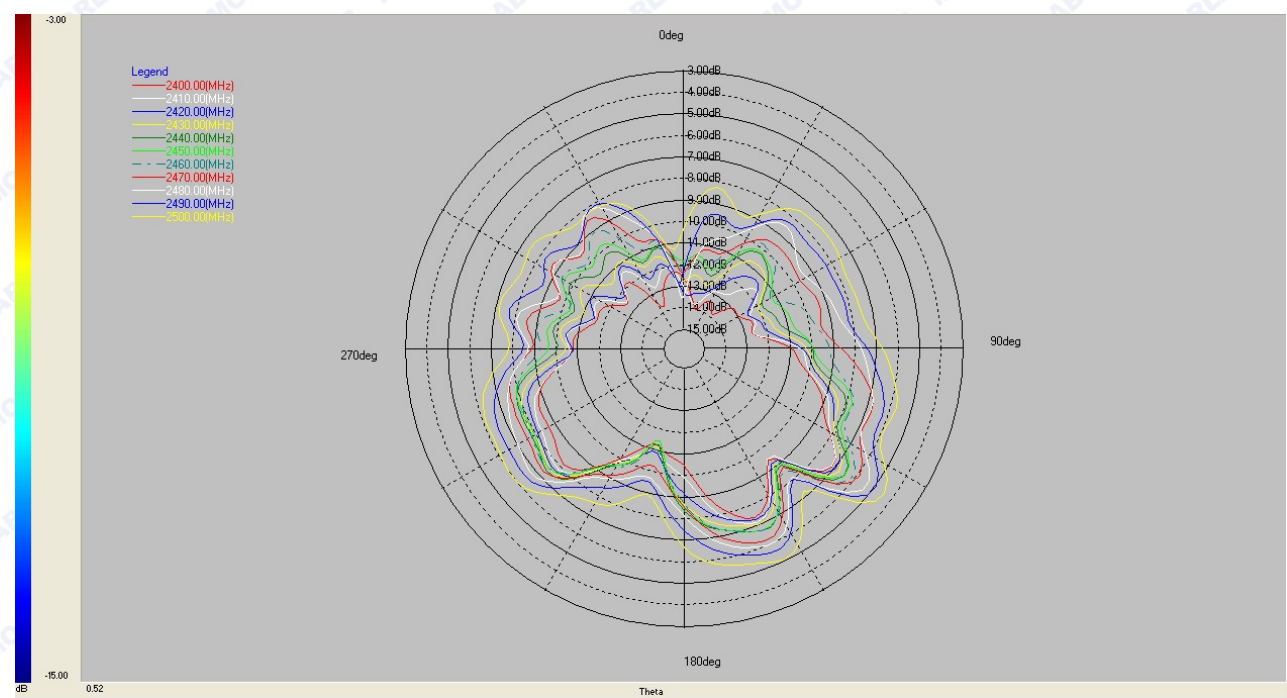
### 1. 2D Radiation Pattern

Phi=0°

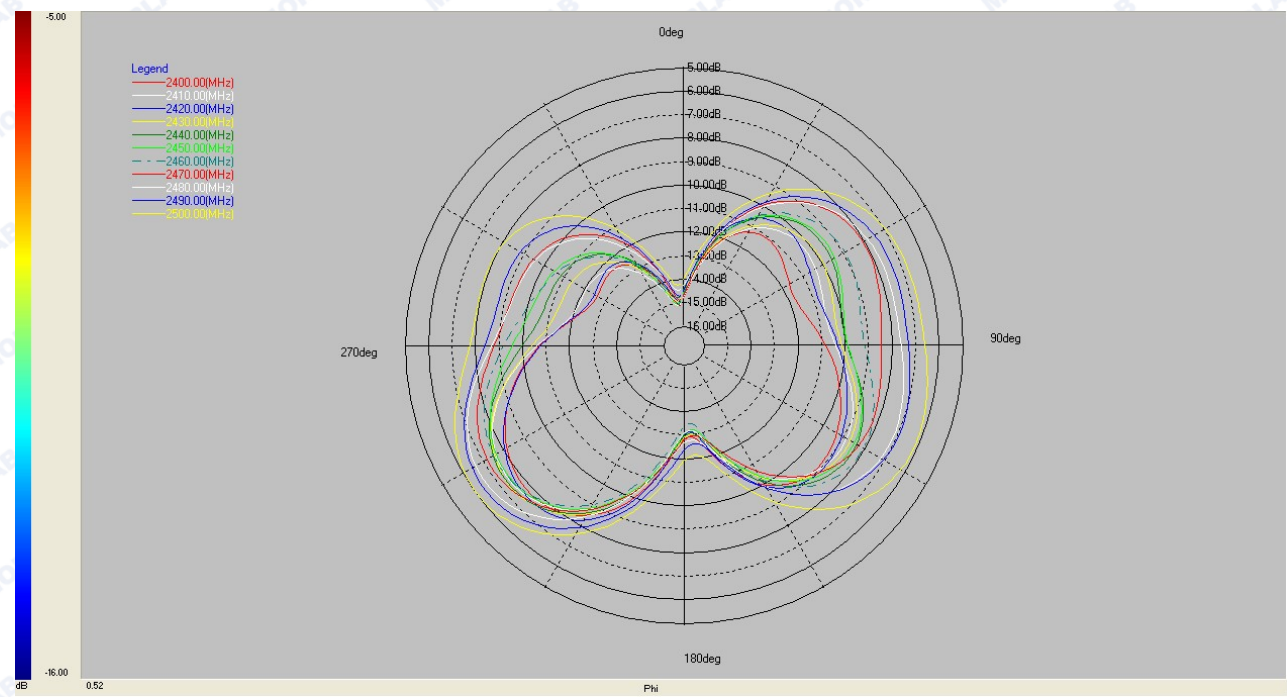




Phi=90°

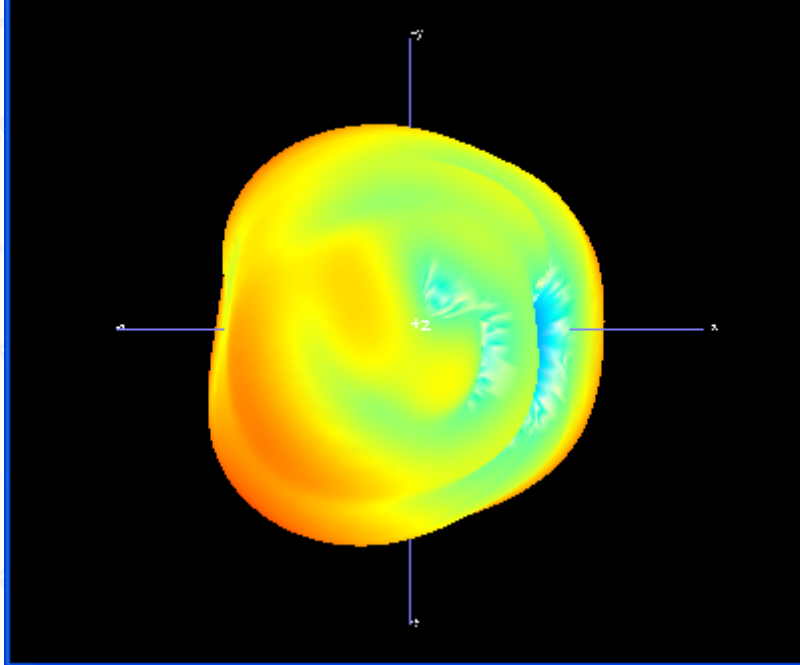


Theta=90°

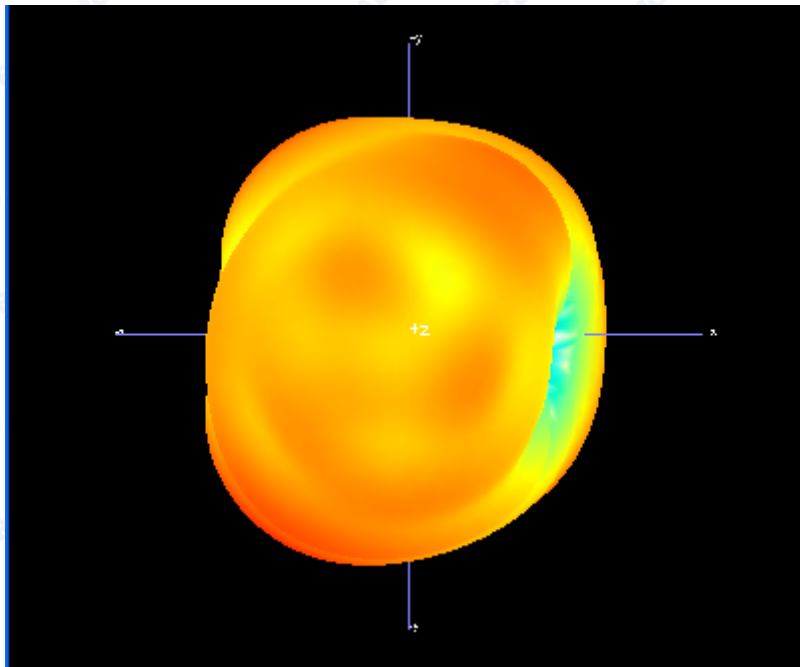




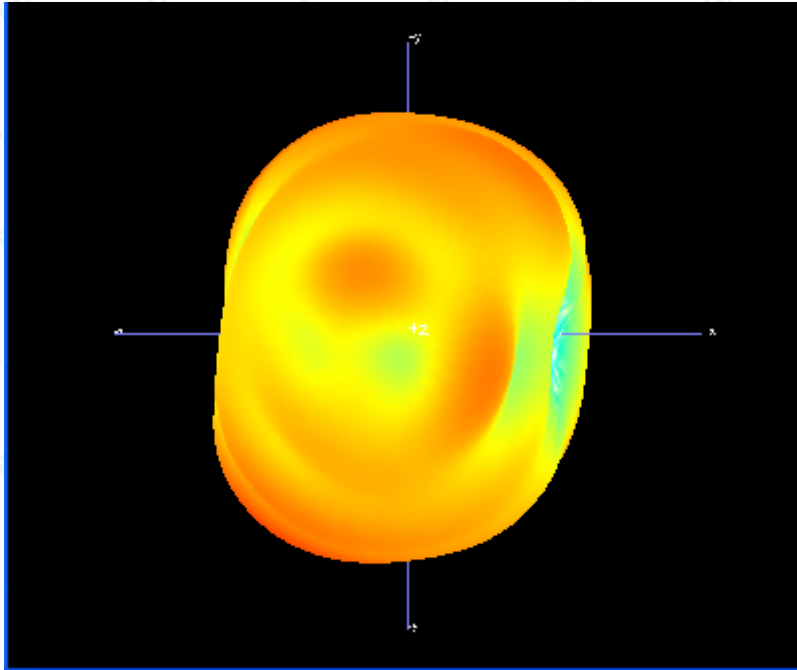
## 2. 3D Radiation Pattern



2400MHz



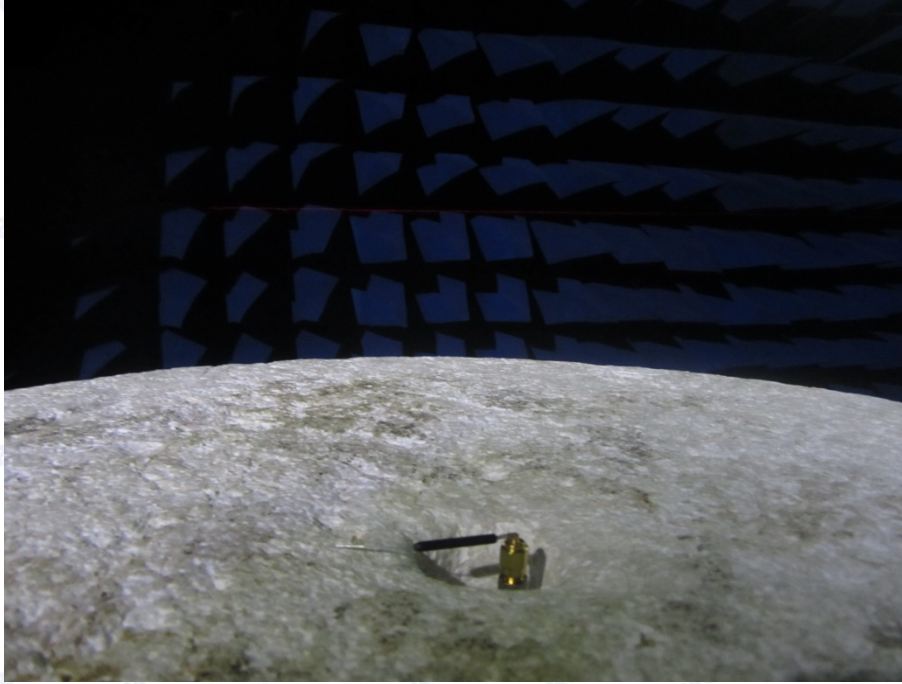
2450MHz



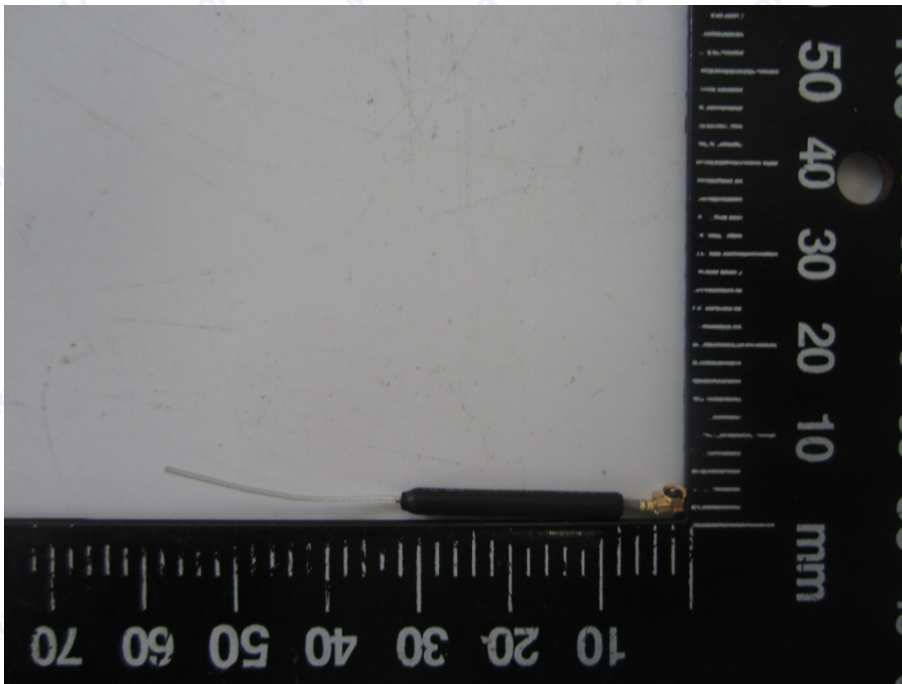
2500MHz

## Annex C Photographs

1. Test environment



2. EUT





## Annex D General Information

### 1.1 Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Department:	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Responsible Test Lab Manager:	Mr. Su Feng
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

### 1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

### 1.3 Test Equipments Utilized

#### 1.3.1 List of Test Equipment

No.	Type	Specification
1	8960-5515C System Simulator	Manufacturer: Agilent
2	E5071B Vector Network Analyzer	Manufacturer: Agilent
3	4*4*4 Full Anechoic Chamber	Manufacturer: Satimo
4	SG24 Multi-probe Antenna Measurement System	Manufacturer: Satimo

\*\*\*\*\* END OF REPORT \*\*\*\*\*