



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.

NOTE: This document is issued by MORLAB, the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.

MORLAB GROUP

FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

Tel: 86-755-36698555
Http://www.morlab.com

Fax: 86-755-36698525
E-mail: service@morlab.cn



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 RESULTS4

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 PHOTOGRAPHS11

ANNEX D GENERAL INFORMATION12

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

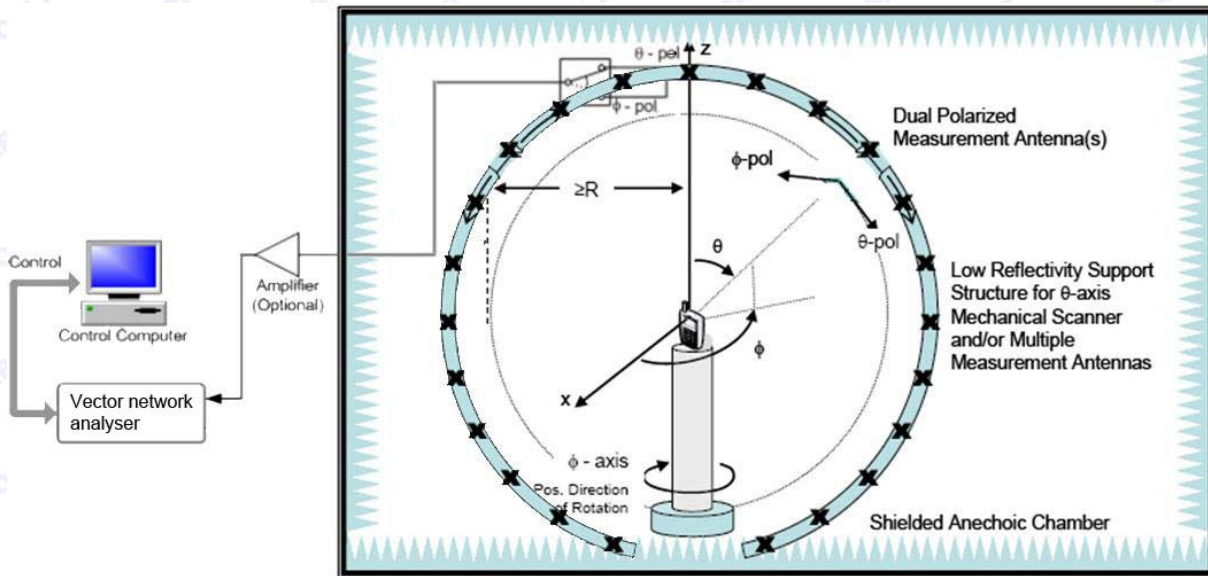
2.3. Test Results lists

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

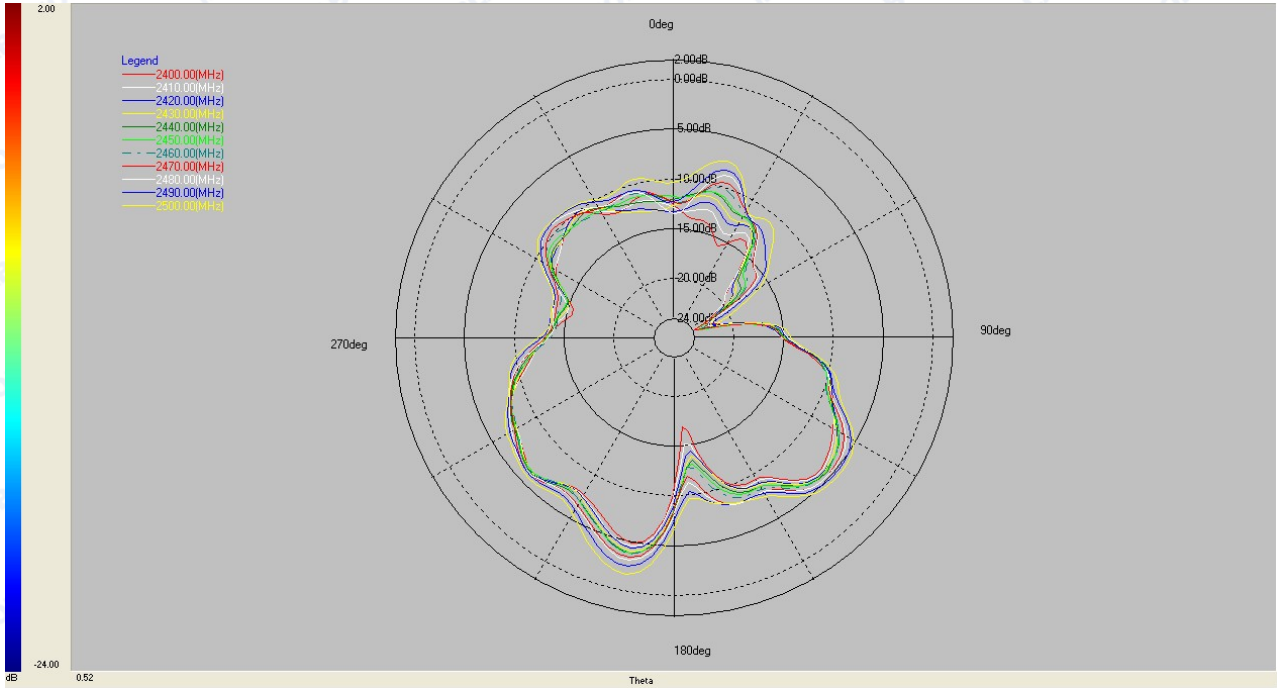




Annex B Figures

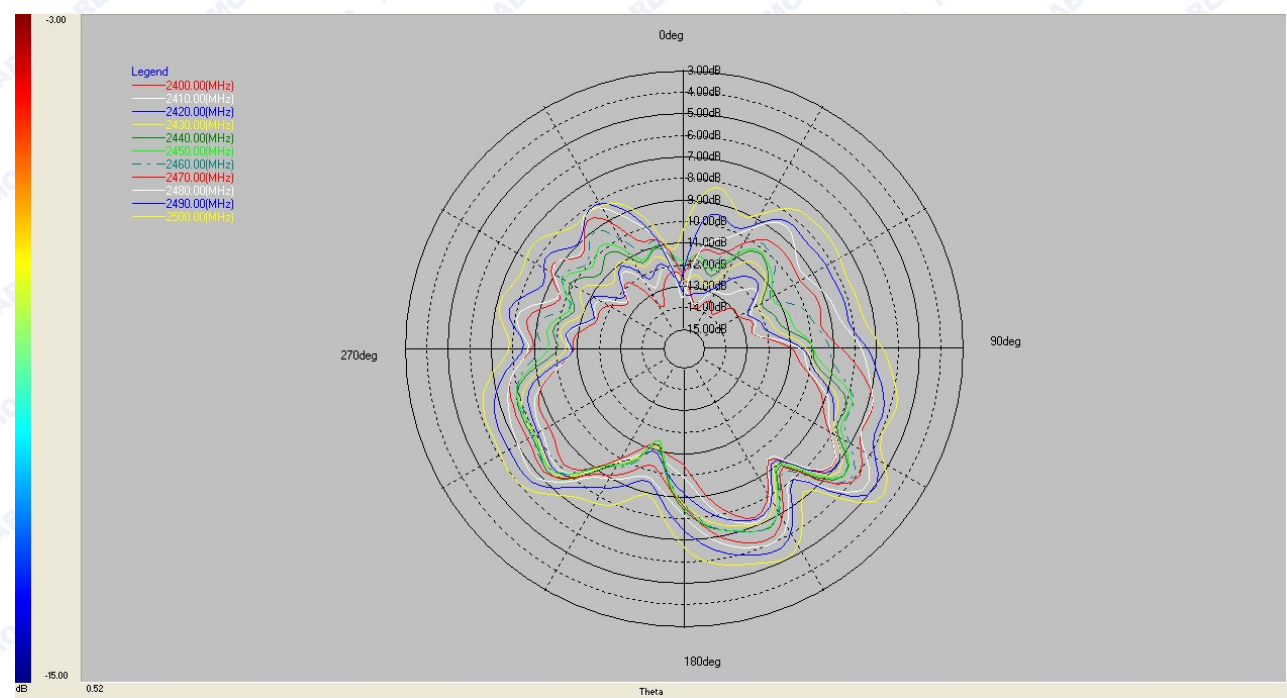
1. 2D Radiation Pattern

Phi=0°

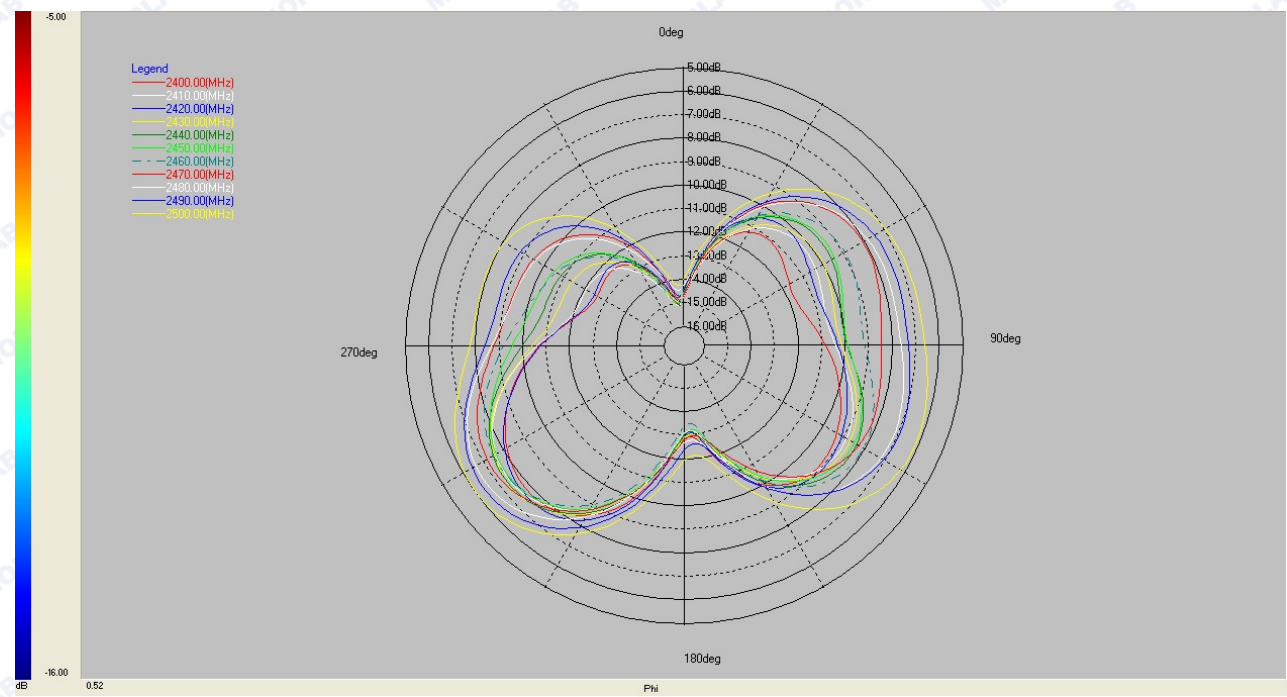




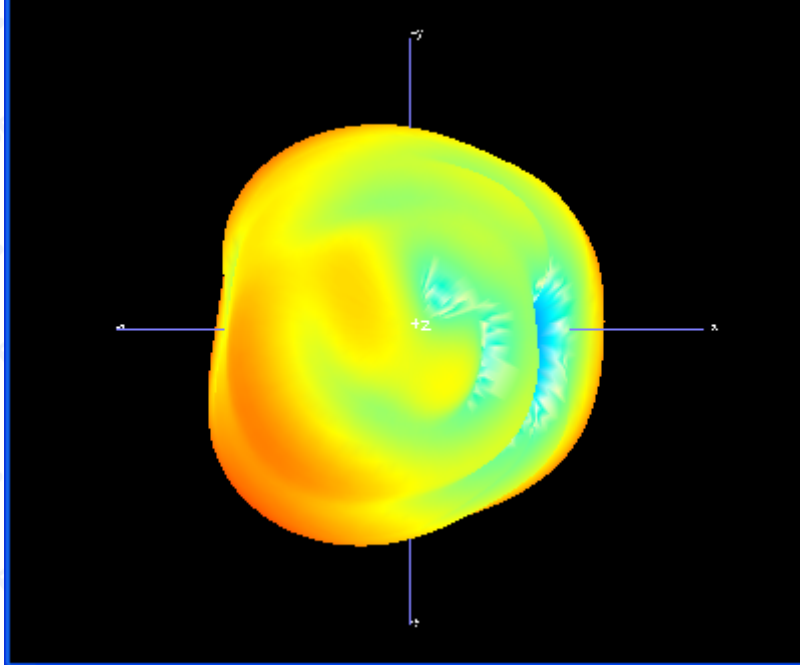
Phi=90°



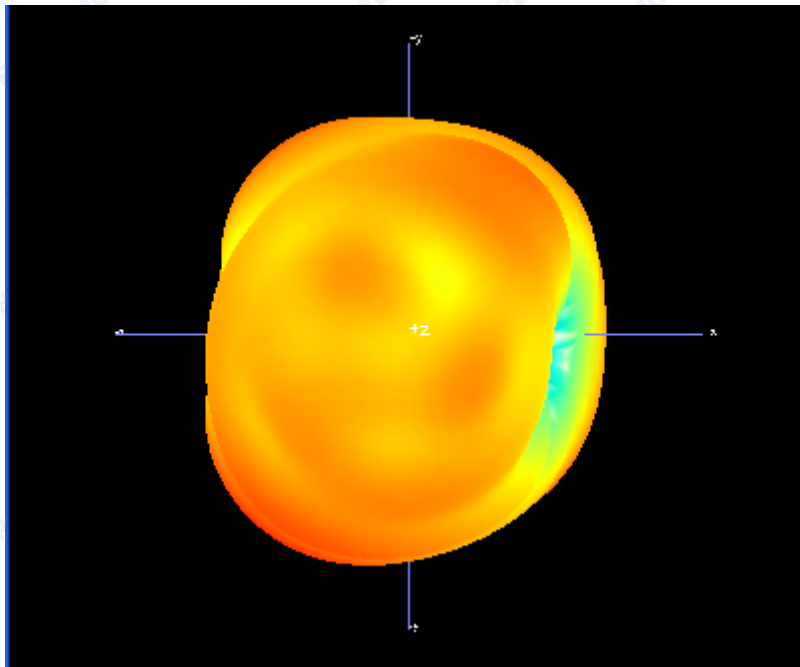
Theta=90°



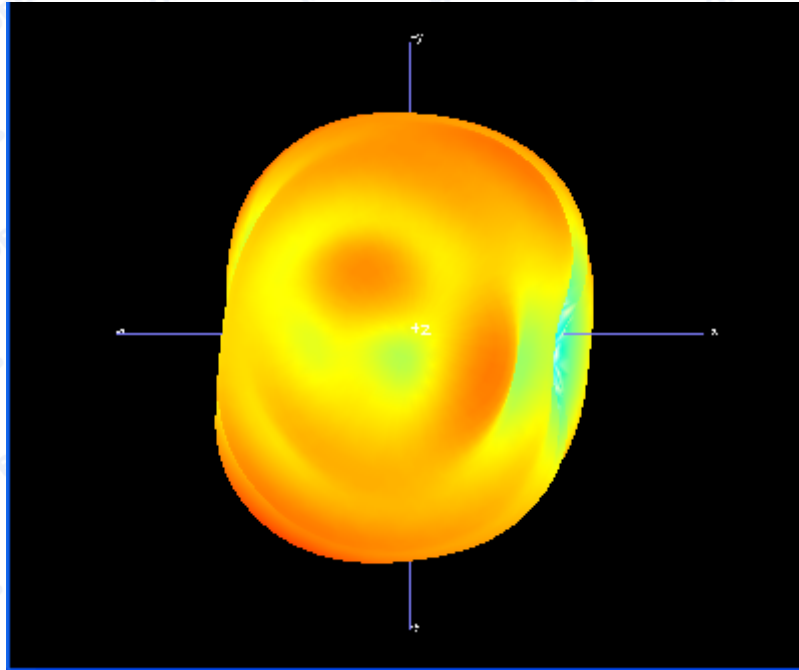
2. 3D Radiation Pattern



2400MHz



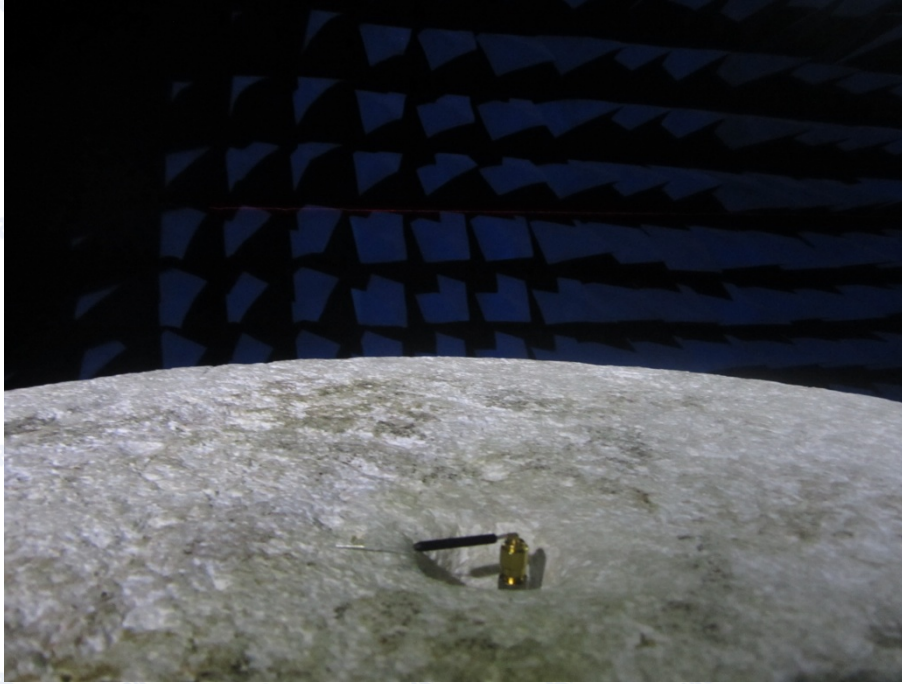
2450MHz



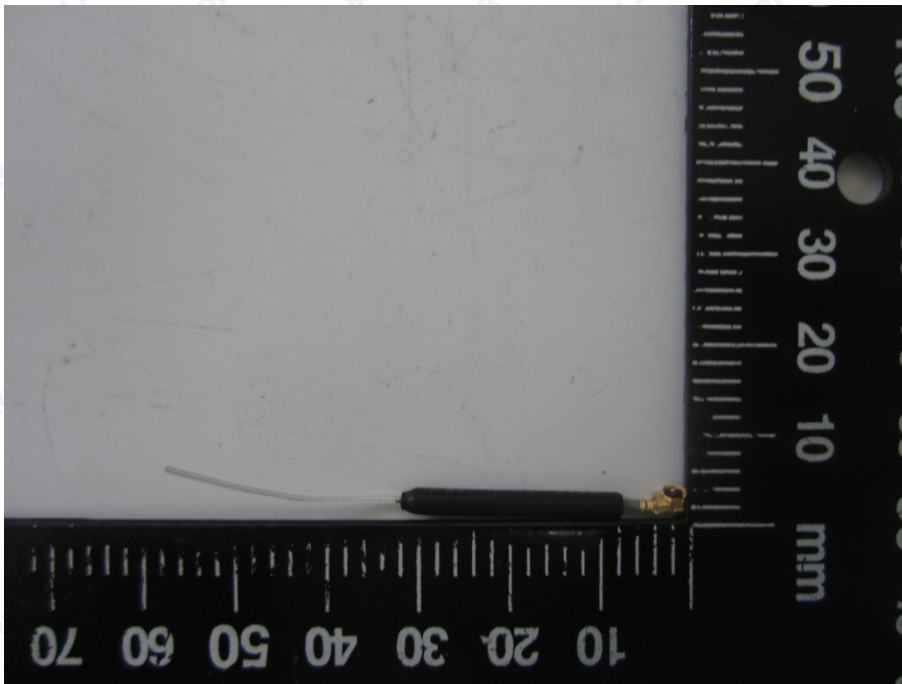
2500MHz

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 *****