



Report No.:SZ13070095E01

ANTENNA PERFORMANCE TEST REPORT



Issued to

Shenzhen Bopengfa Elec&Technology Co.,Ltd

For

Antenna of Bluetooth Modules

Model Name: CPR8850F
Trade Name: RF-LINK
Brand Name: RDA
Standard: IEEE149-1979
Test date: 2013-08-07
Issue date: 2013-08-09

by

Shenzhen Morlab Communications Technology Co., Ltd.

Tested by Chi Shide
Chi Shide
Date 2013.8.9



Approved by Zeng Dexin
Zeng Dexin
Date 2013.8.9

Reviewed by Huang Pulong
Huang Pulong
Date 2013.8.9

CTIA Authorized Test Lab
LAB CODE 20081222-00
IEEE 1725 OTA

OFTA
電訊管理局



TAF
Testing Laboratory
2010

GCF
Official Observer of
Global Certification Forum

Bluetooth
BQTF

FCC
Reg. No.
741109

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen MORLAB Communication Technology Co., Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the Shenzhen MORLAB Telecommunication Co., Ltd to his customer. Supplier or others persons directly concerned. Shenzhen MORLAB Telecommunication Co., Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report, Shenzhen MORLAB Telecommunication Co., Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

1.	GENERAL INFORMATION	3
2.	TECHNICAL INFORMATION	4
2.1	Applicant Information	4
2.2	Antenna under Test (AUT) Description	4
3.	TEST RESULTS	5
3.1	Applied Reference Documents	5
3.2	Test Conditions	5
3.3	Test Results lists	6
3.3.1	Gain and Efficiency	6
ANNEX A.	PHOTOGRAPHS.....	7

1. 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 518101
Responsible Test Lab Manager: Mr. Zeng Dexin
Telephone: +86 755 36698555
Facsimile: +86 755 36698525

1.2 Identification of the Responsible Testing Location

Name: Shenzhen Morlab Communications Technology Co., Ltd.
Address: FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China 518101

1.3 List of Test Equipments

No.	Type	Specification
1	8960-5515C System Simulator	Manufacturer: Agilent
2	CMU 200 System Simulator	Manufacturer: R&S
3	E5071B Vector Network Analyzer	Manufacturer: Agilent
4	4*4*4 Full Anechoic Chamber	Manufacturer: Satimo
5	SG24 Multi-probe Antenna Measurement System	Manufacturer: Satimo

2. Technical Information

Note: Provide by applicant.

2.1 Applicant Information

Company: Shenzhen Bopengfa Elec&Technology Co.,Ltd
Address: bldg56A,3/F,BaotianRd3,XixiangTown,Baoan,District,
Shenzhen
Contact: Jingyu Chen
Telephone: 13923480361
Fax: 0755-83704870
E-mail: jingyuchen@rf-link.net

2.2 Antenna under Test (AUT) Description

Brand Name: RDA
Model Name: CPR8850F

2.2.1 Photographs of the EUT

Please reference annex B.

2.2.2 Identification of all used EUTs

The EUT Identity consists of numerical and letter characters (see the table below), the first five numerical characters indicates the Type of the EUT defined by Morlab, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

EUT Identity	Memo
AUT01	N/A

3. Test Results

3.1 Applied Reference Documents

Leading reference documents for testing:

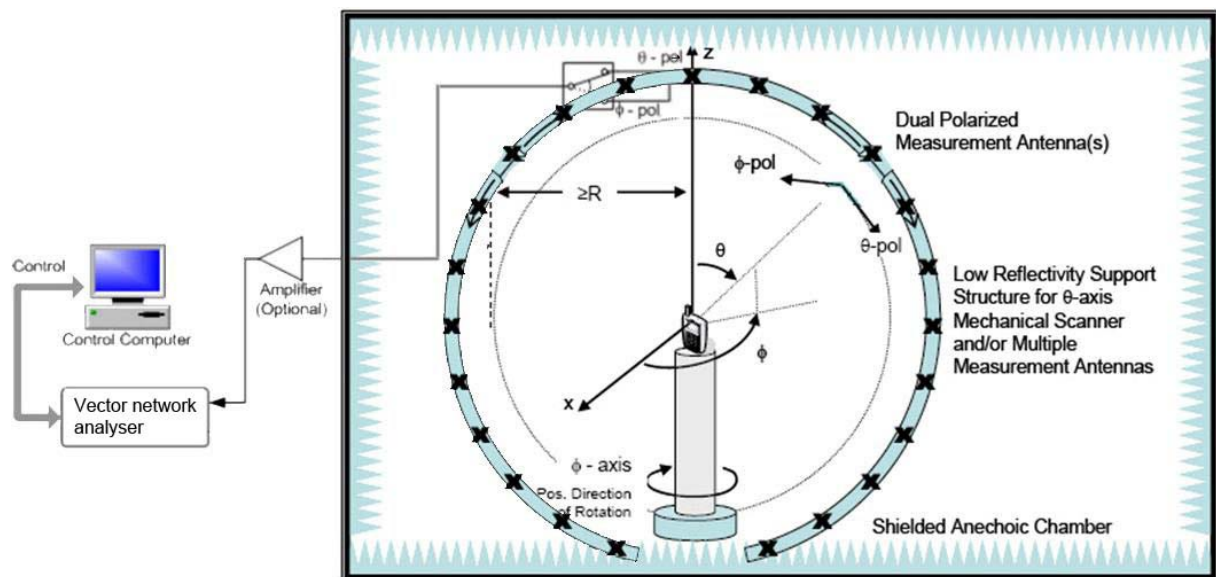
No.	Identity	Document Title
1	IEEE149-1979	IEEE Standard Test Procedures for Antennas

3.2 Test Conditions

Test Environment Conditions:

- 1) Temperature: 23° C
2) Relative Humidity: 49%

Test Setup:



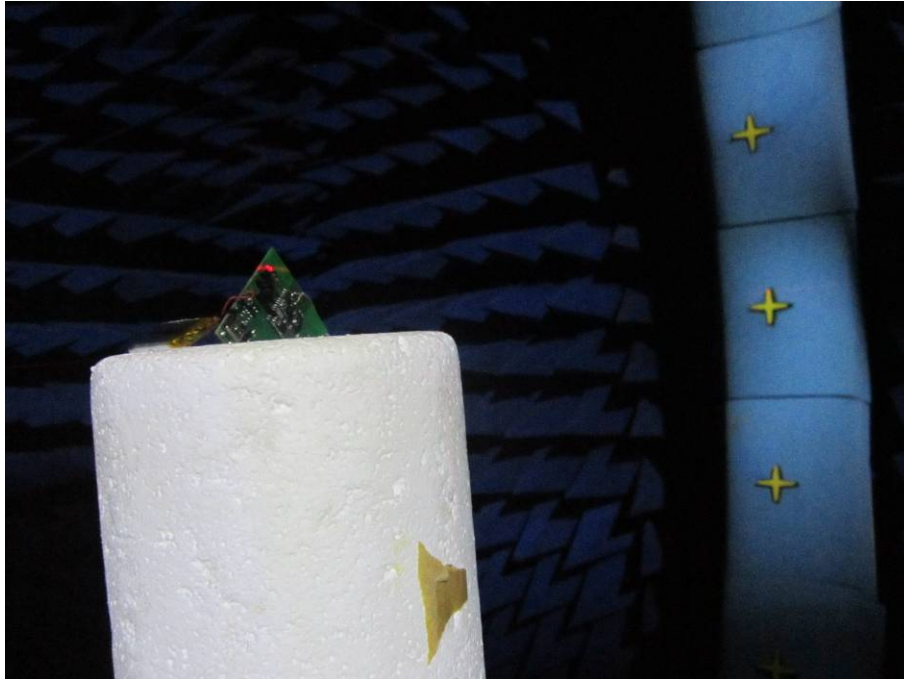
3.3 Test Results lists

3.3.1 Gain and Efficiency

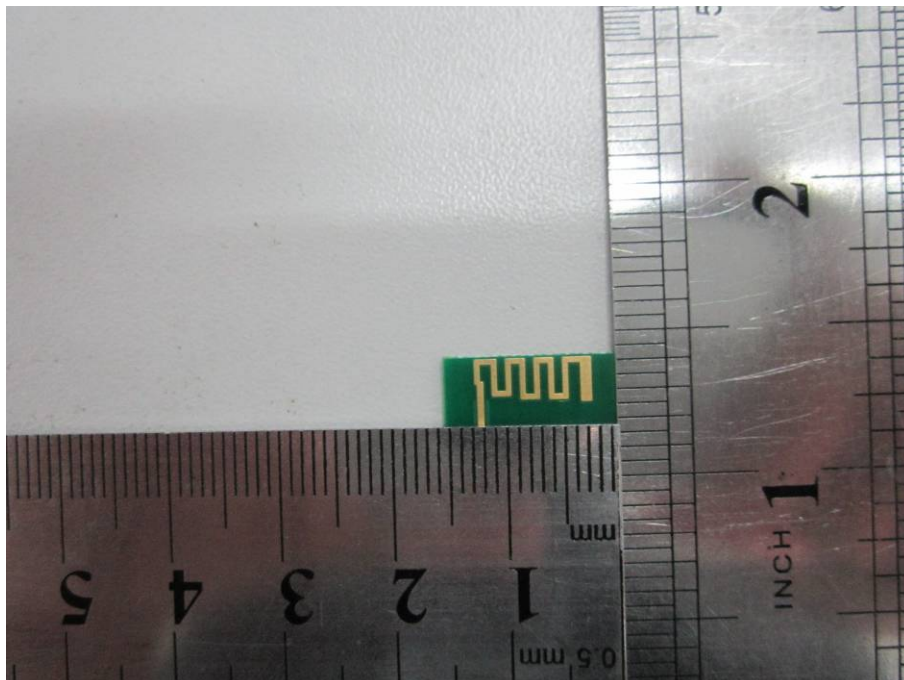
Frequency	Gain(dBi)	Efficiency
2400MHz	-2.65934	19.32%
2410MHz	-2.49845	20.46%
2420MHz	-2.47123	20.53%
2430MHz	-2.807	19.56%
2440MHz	-2.6876	20.11%
2450MHz	-2.84033	19.63%
2460MHz	-2.84053	20.83%
2470MHz	-2.41596	22.98%
2480MHz	-2.33469	23.12%
2490MHz	-1.93267	24.49%
2500MHz	-1.60768	24.69%

Annex A. Photographs

1. Test environment



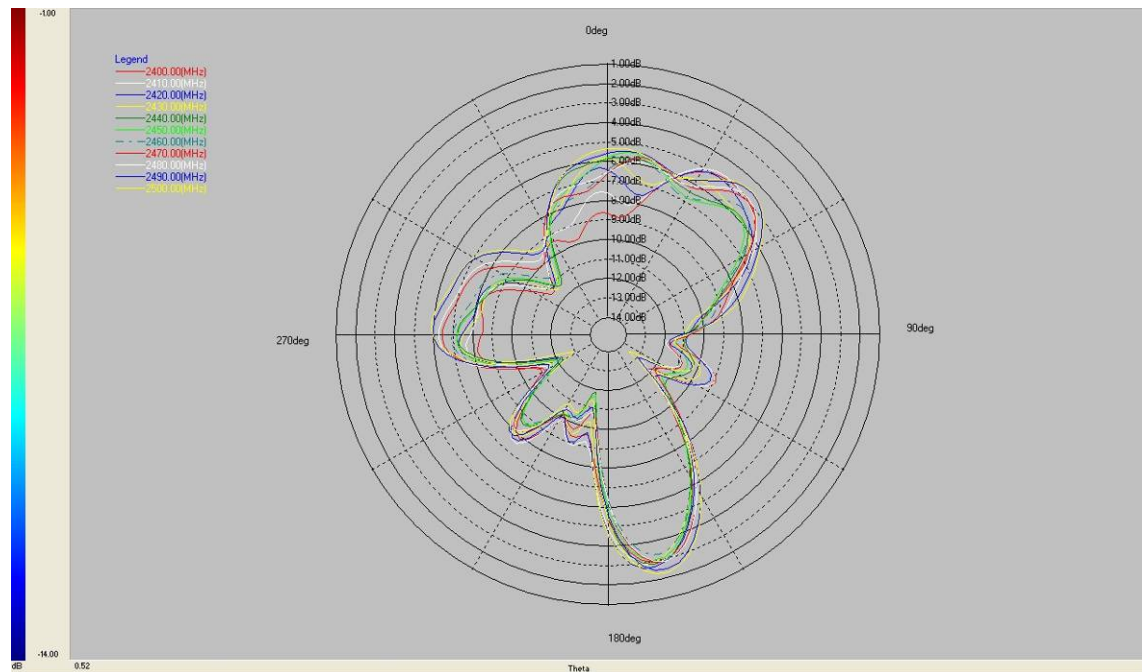
2. EUT



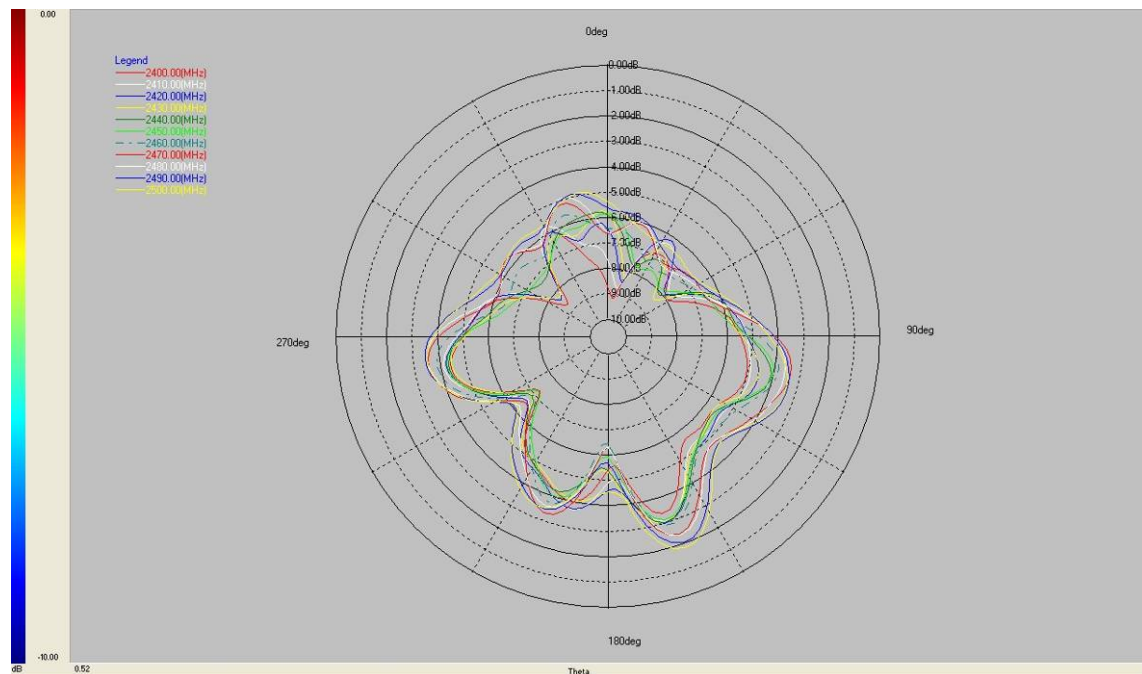
Figures

2D Radiation Pattern

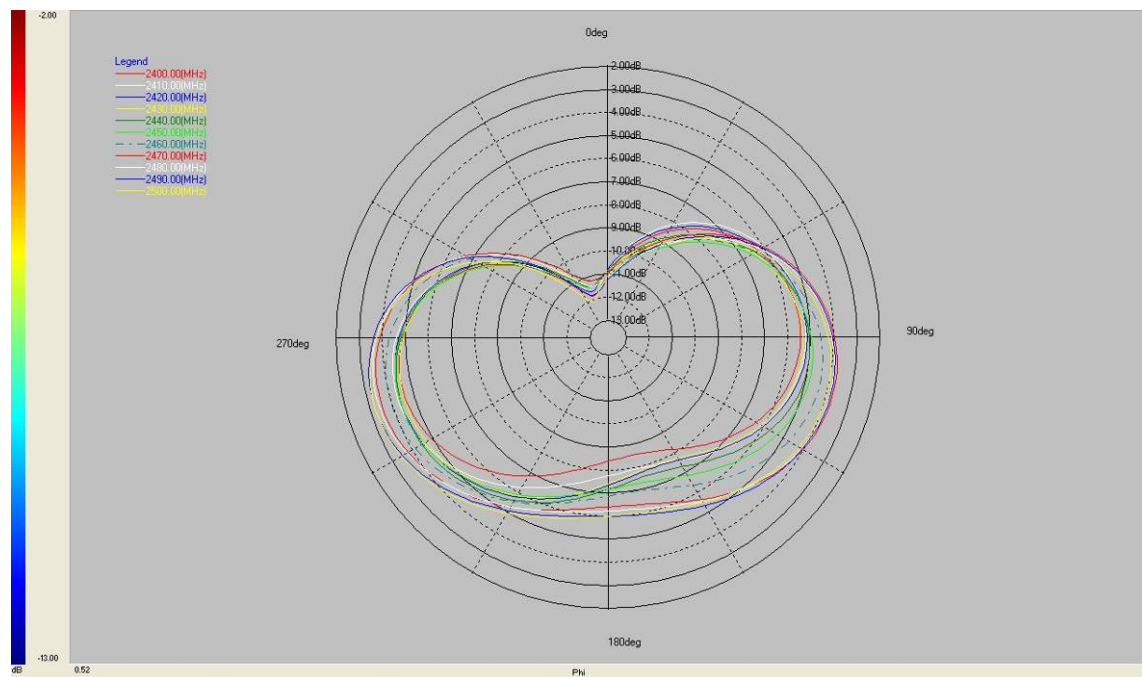
1. $\Phi=0$



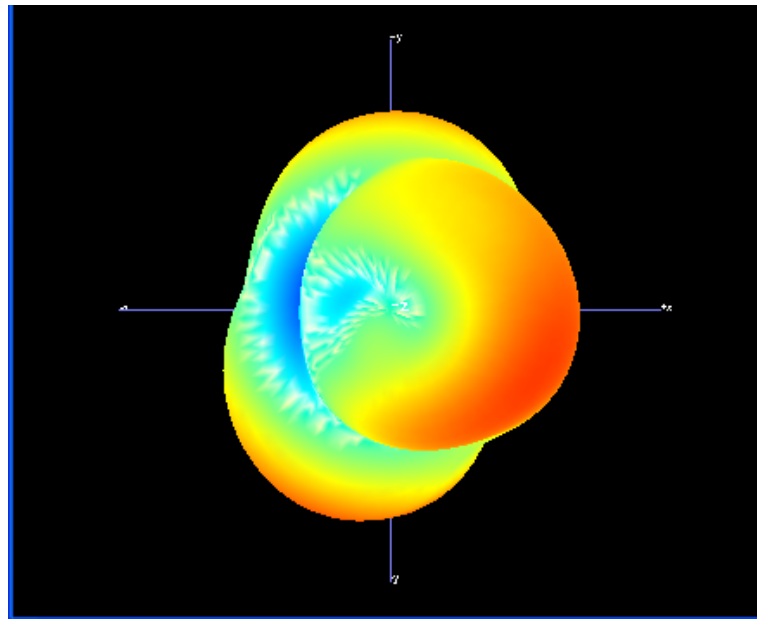
2. $\Phi=90$



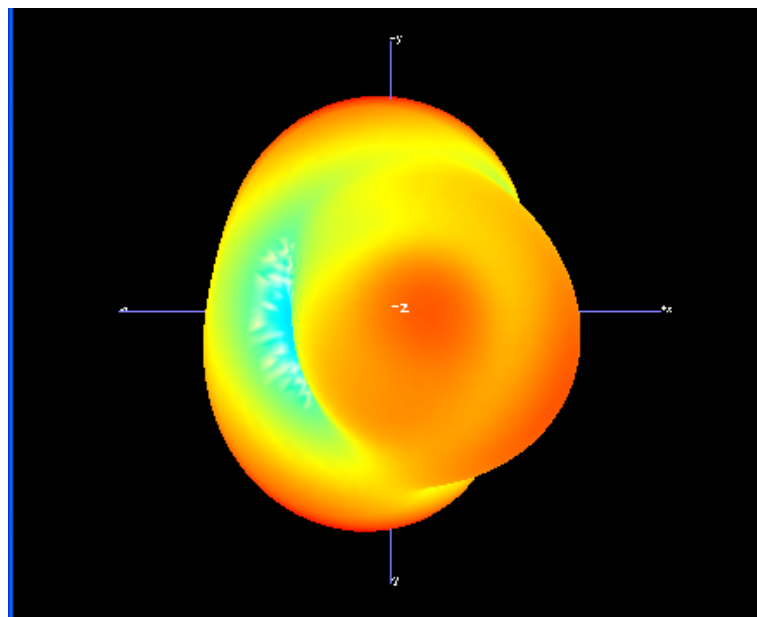
3. Theta=90



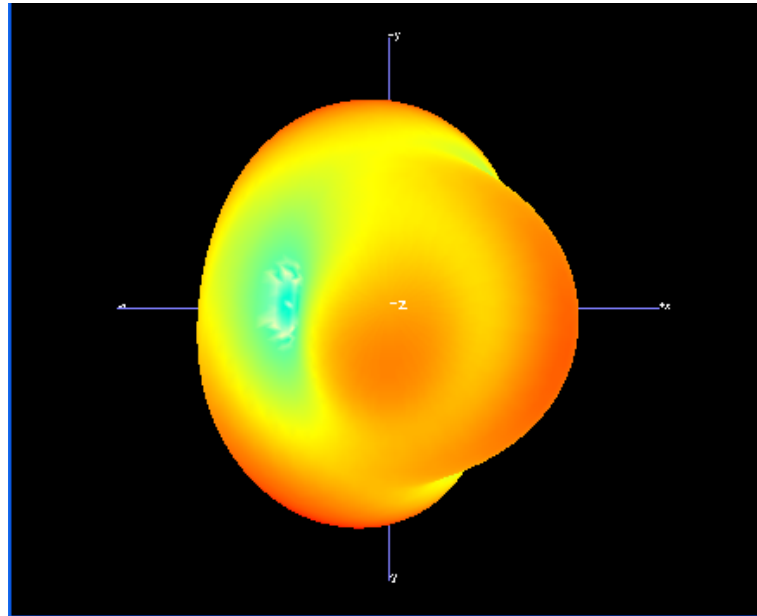
3D Radiation Pattern



2400MHz



2450MHz



2500 MHz

** END OF REPORT **