



Antenna Specification

Product Name: Smart Battery Charger & Tester

Model No.: TB6000Pro

Frequency Band:

Frequency Band	MHz
BT	2400-2500

深圳顶匠科技有限公司

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Revision history

Rev	Date	State
A1	2022-9-9	First Edition

Change the content

First change:

Before the change:

After change:

1. Project Information

1.1 Appearance and Dimensions



For Bluetooth Applications

	Dimension (mm)
L	25.5
W	7.5
T	1oz

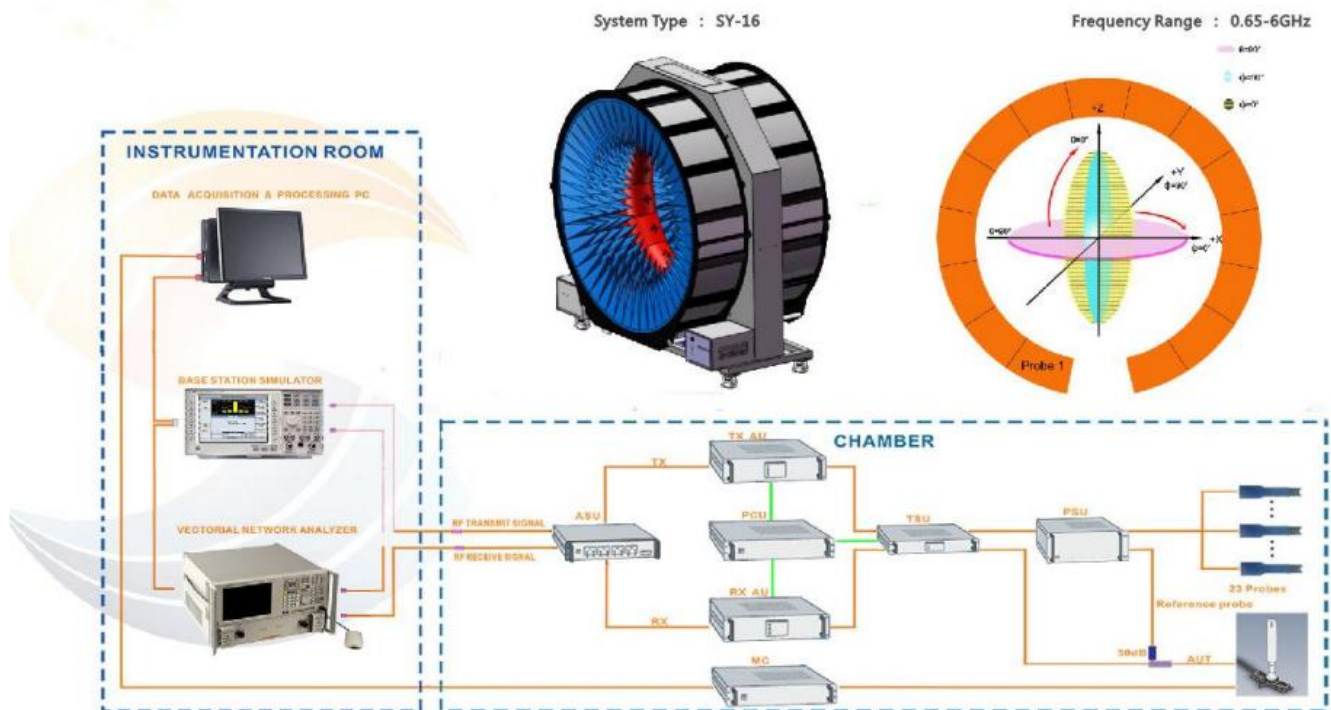
2. Electrical Characteristics

2.1 Test Environment Conditions

Temperature	24.1℃
Humidity	58%RH
Pressure	100.15kPa

2.2 Testing principle

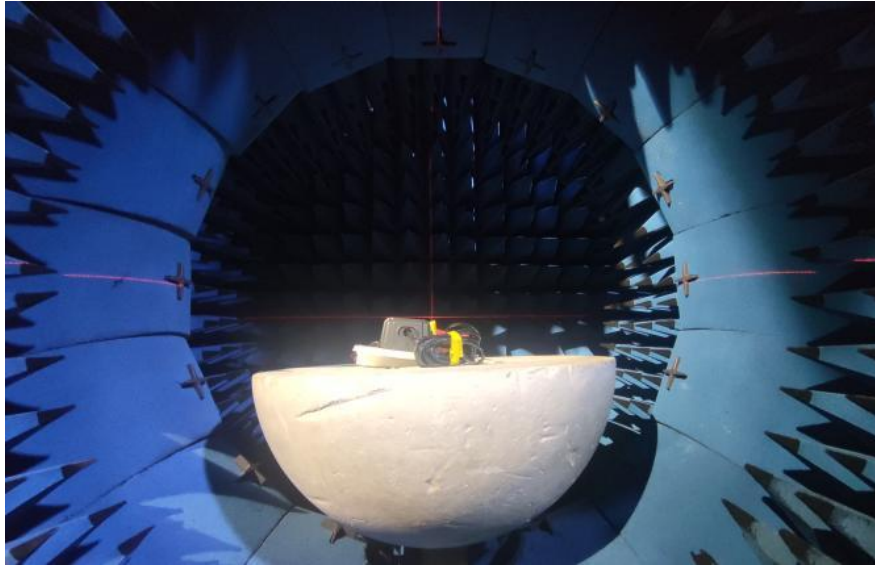
Multi-Probe OTA Measurement System



2.3 Antenna passive test data

2.3.1 Test system

Planform



Front view



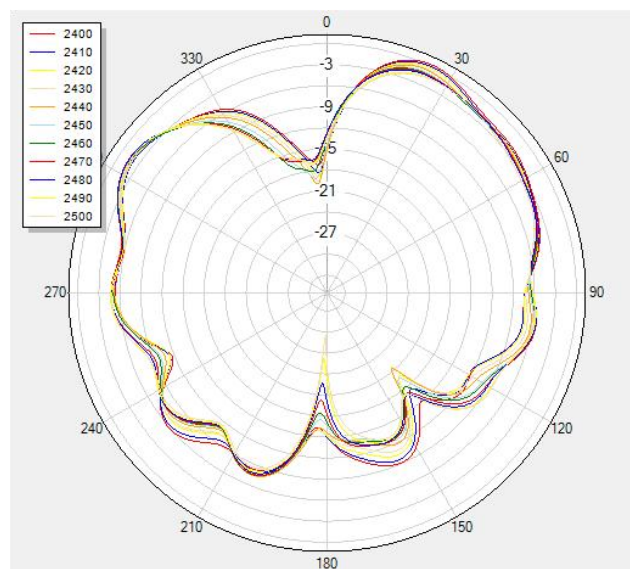
2.3.2 Antenna efficiency and gain

Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	0.4	0.15	-0.02	-0.26	-0.2	-0.43	-0.36	-0.27	-0.33	-0.58	-0.58
Efficiency/%	24.12	23.30	22.66	22.22	21.98	21.55	21.63	22.46	22.57	22.25	22.32

2.3.3 Antenna Radiation Pattern

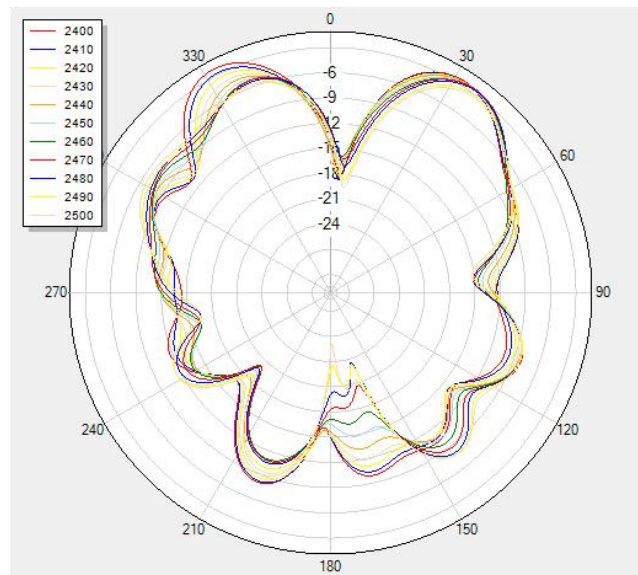
(1) X-Z Plane:

V Phi=0



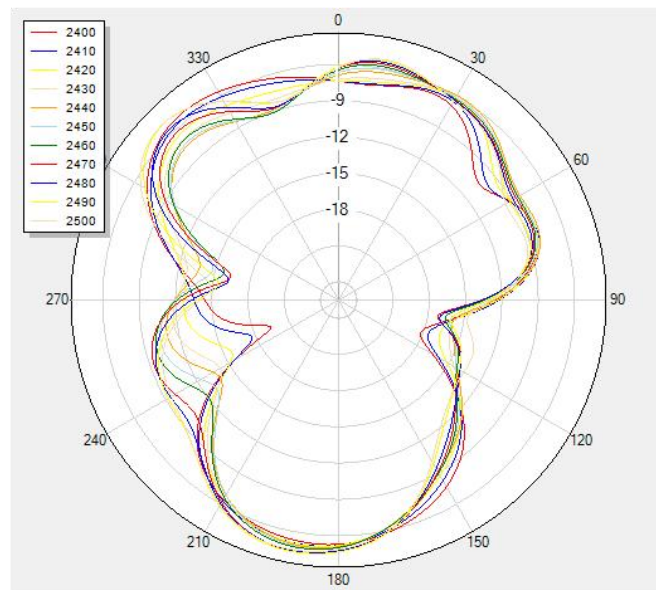
(2) Y-Z Plane:

V Phi=90

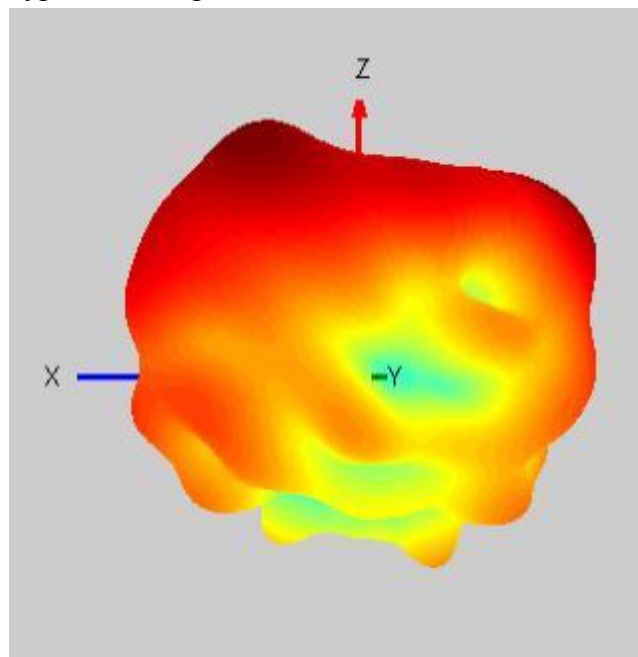


(3) X-Y Plane:

H Theta=90



(4) Typical Free Space 3D Radiation Pattern at 2.45GHz:



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