



深圳自由行通信技术有限公司

Shenzhen Free Walk Communication Technology Co. LTD

ADD: 深圳市宝安西乡鹤洲西区工业园 2 栋 3 楼

3rd Floor, Building 2, Industrial Park, Hezhou West District, Bao'an West Township,
Shenzhen

Email: zyx_sz@yeah.net

TEL: 86-0755-29955983 FAX: 86-0755-29955983

产品 (**Product**) : 5G antenna (L=210mm)

型号 (**Model**) : D50 home

料号 (**Part Number**) : Z02-10361-R01

The basic parameters

A. Electrical Characteristics	
Frequency	5150 MHz ~5850MHz
VSWR	≤ 2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	5.36dBi
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	5G Φ 1.13mm Red
Connector Type	IPEX
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

Product Drawing:



Test Equipment & Conditions

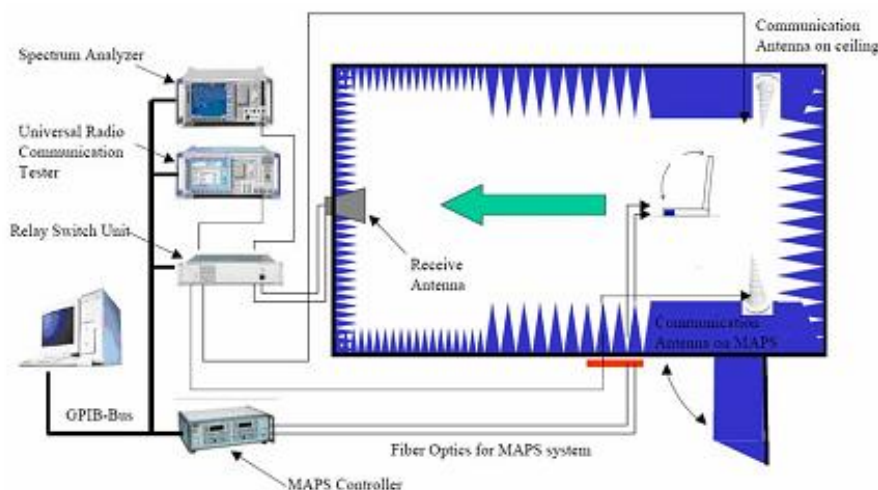
1. Network Analyzers :

Agilent 8753D 5071C

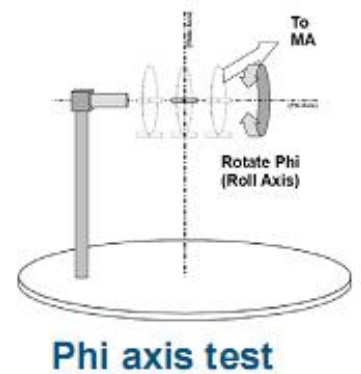
2. Communications Test Set:

Agilent 8960 CMW500

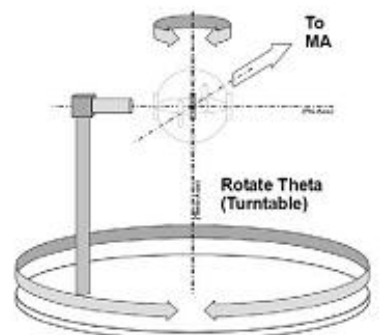
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



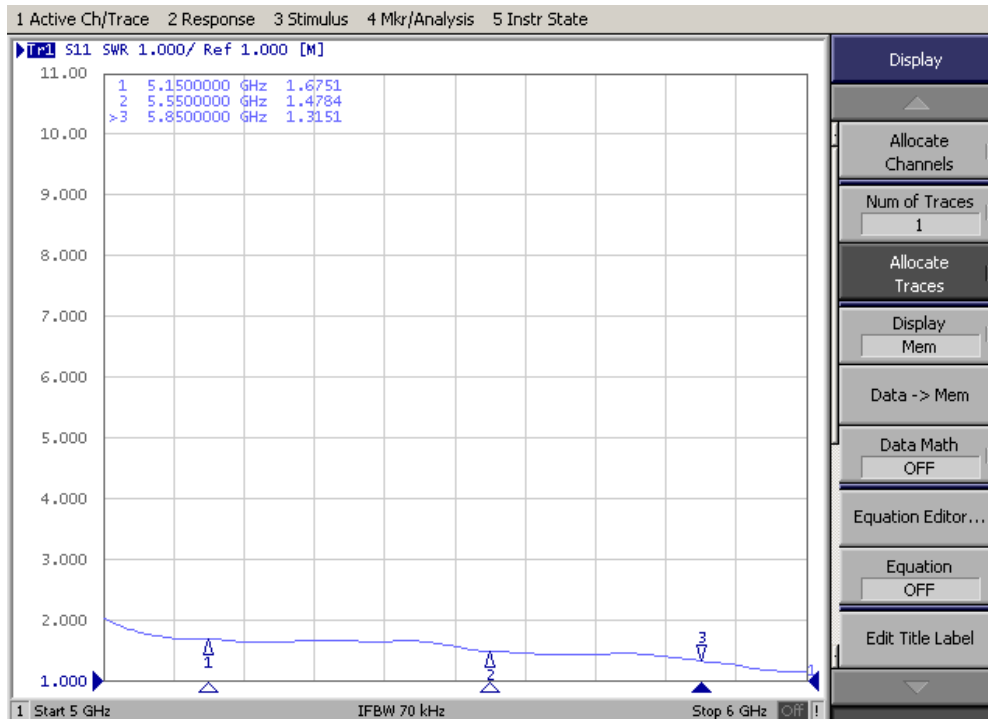
Phi axis test



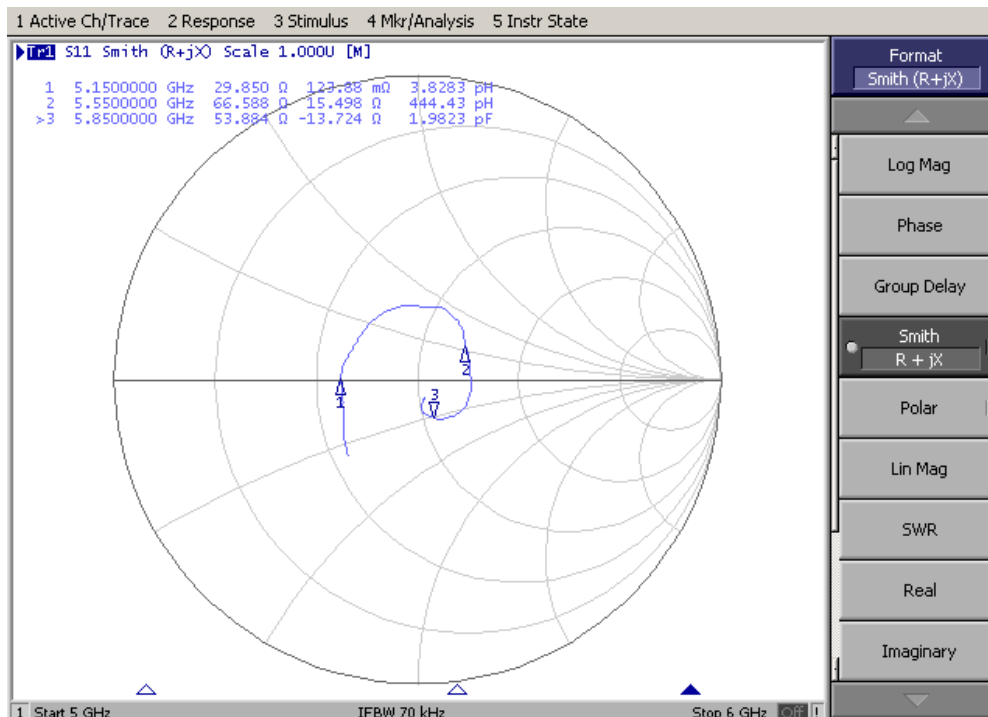
Theta axis test

(5G)

SWR



Smith





效率&增益: Efficiency&Gain

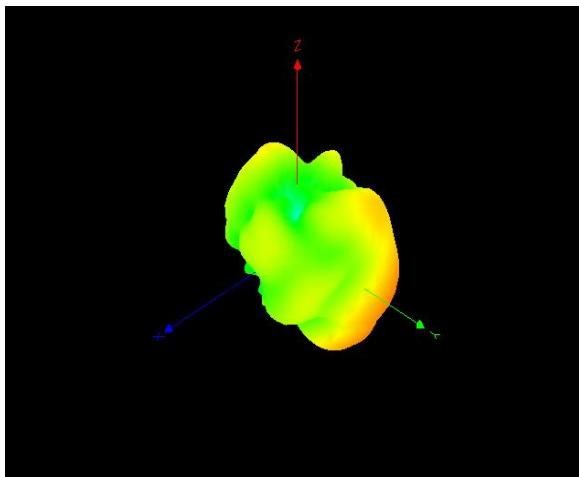
Freq (MHz)	Effi (%)	Gain(dBi)
5150	63.71	4.31
5200	64.02	4.24
5250	68.79	3.94
5300	65.47	3.84
5350	67.60	5.00
5400	72.90	4.84
5450	72.70	5.00
5500	66.47	4.81
5550	73.72	4.81
5600	71.20	5.00
5650	71.70	5.00
5700	69.14	5.00
5750	66.85	3.87
5800	72.30	4.09
5850	69.33	4.28

方向图

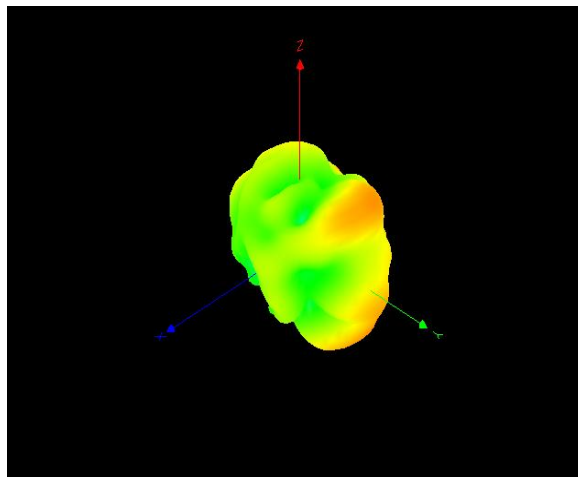
Patten

3D

5150MHz



5550MHz



5850MHz

