



深圳自由行通信技术有限公司

Shenzhen Free Walk Communication Technology Co. LTD

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产品 (**Product**) : 5G antenna (L=90mm)

型号 (**Model**) : D50 home

料号 (**Part Number**) : Z02-10362-R01

The basic parameters

A. Electrical Characteristics	
Frequency	5150 MHz ~5850MHz
VSWR	≤ 2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	4.98dBi
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	5G Φ 1.13mm White
Connector Type	IPEX
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

Product Drawing:



Test Equipment & Conditions

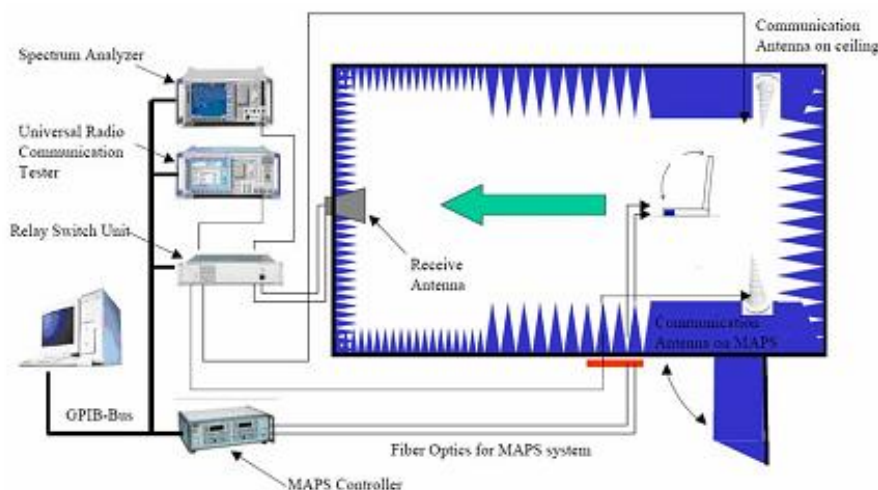
1. Network Analyzers :

Agilent 8753D 5071C

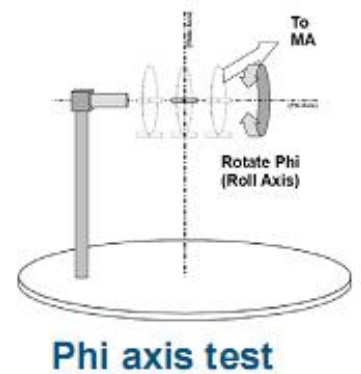
2. Communications Test Set:

Agilent 8960 CMW500

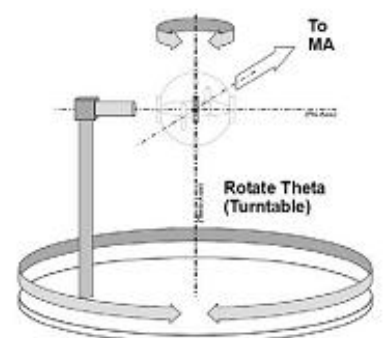
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



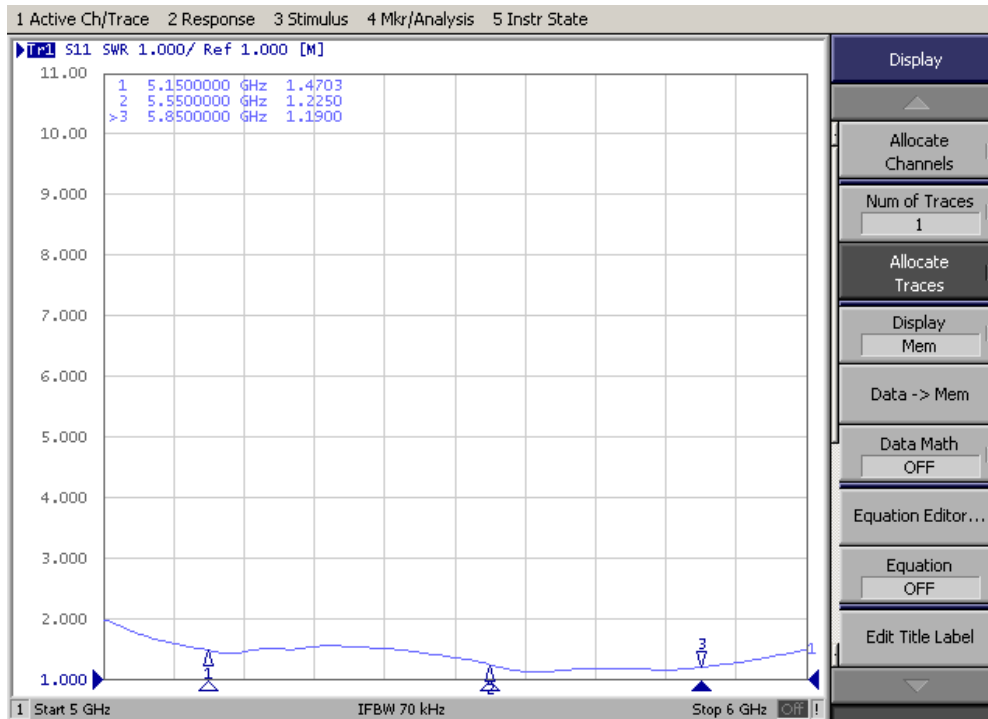
Phi axis test



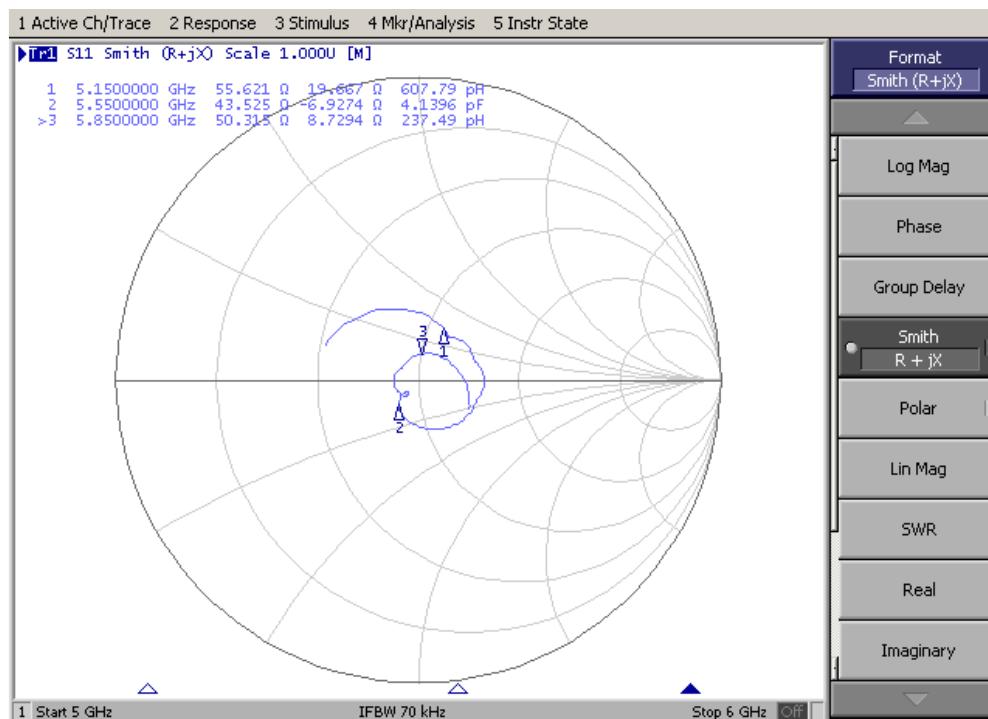
Theta axis test

(5G)

SWR



Smith





效率&增益:
Efficiency&Gain

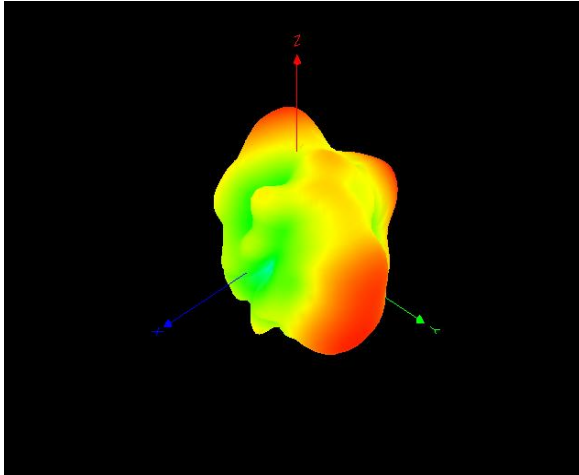
Freq (MHz)	Effi (%)	Gain(dBi)
5150	63.07	3.07
5200	67.47	3.49
5250	68.29	3.18
5300	70.62	3.06
5350	71.14	4.38
5400	72.90	4.15
5450	73.90	4.04
5500	69.04	3.85
5550	71.33	4.29
5600	73.50	4.23
5650	69.99	4.77
5700	63.56	4.40
5750	61.64	4.29
5800	69.22	5.00
5850	64.80	4.77

方向图

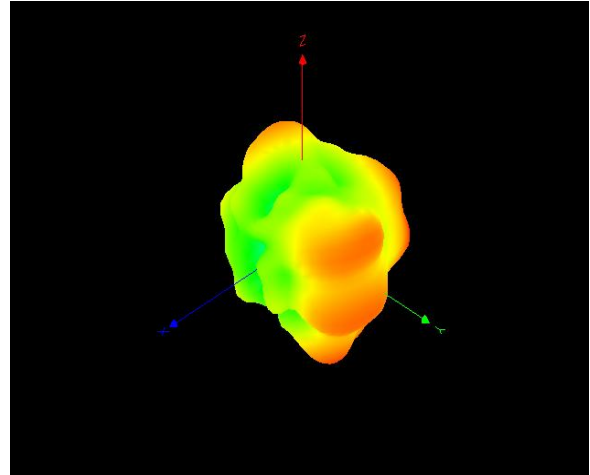
Patten

3D

5150MHz



5550MHz



5850MHz

