



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=230mm)

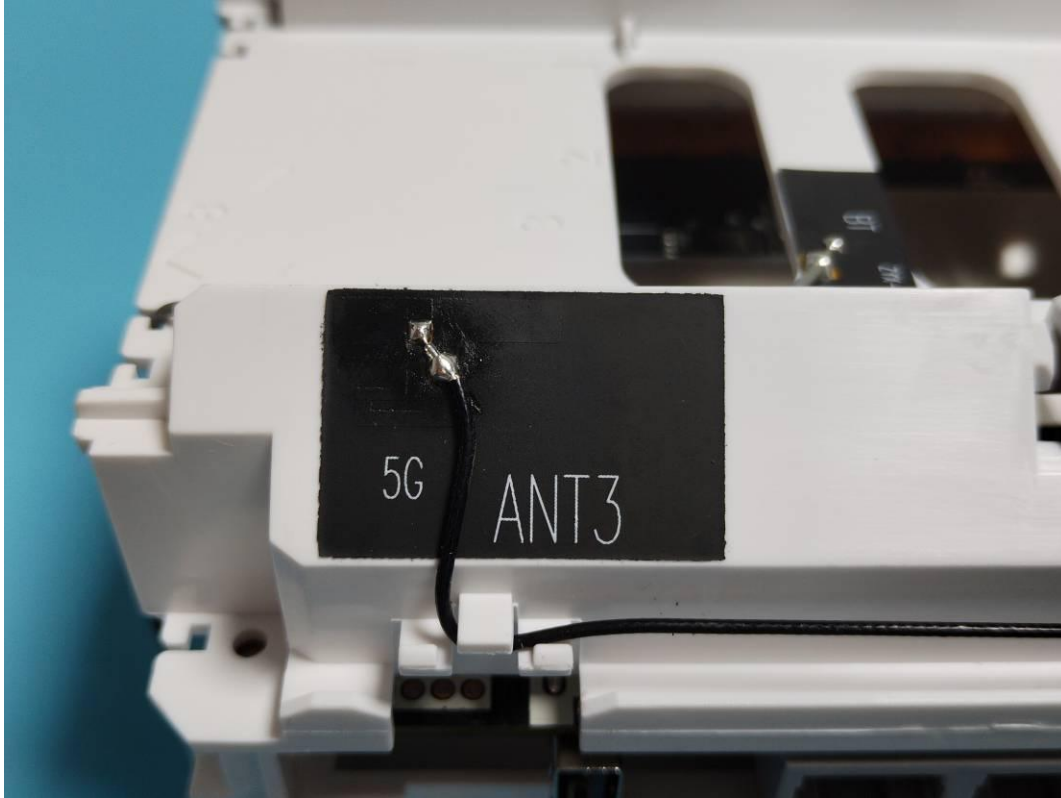
型号 (**Model**) : D50 home

料号 (**Part Number**) : Z02-10364-R01

The basic parameters

A. Electrical Characteristics	
Frequency	5150 MHz ~5850MHz
VSWR	≤ 2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	3.92dBi
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	5G Φ 1.13mm Black
Connector Type	IPEX
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

Product Drawing:



Test Equipment & Conditions

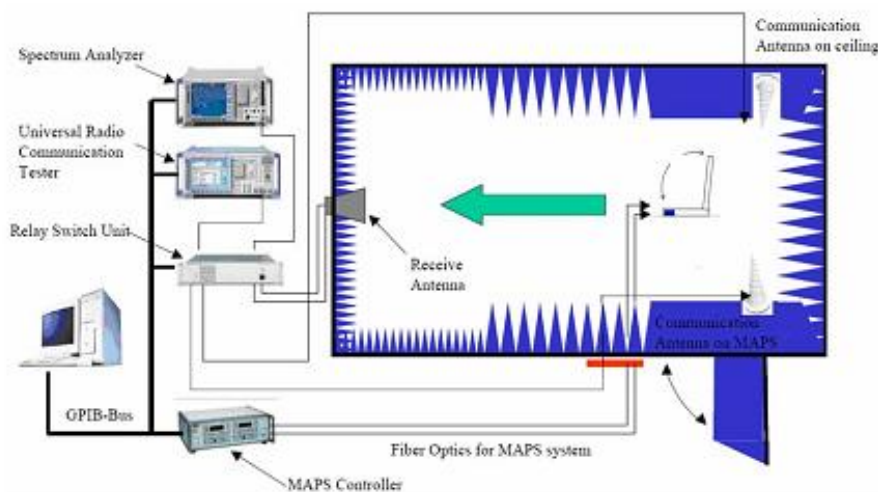
1. Network Analyzers :

Agilent 8753D 5071C

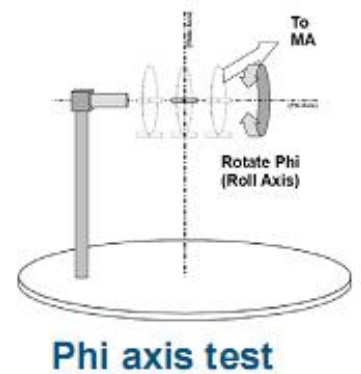
2. Communications Test Set:

Agilent 8960 CMW500

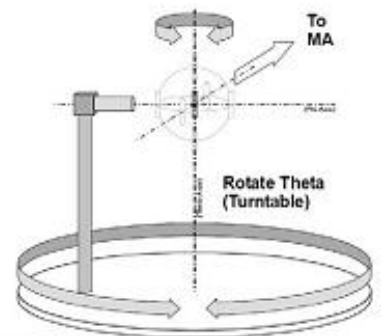
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



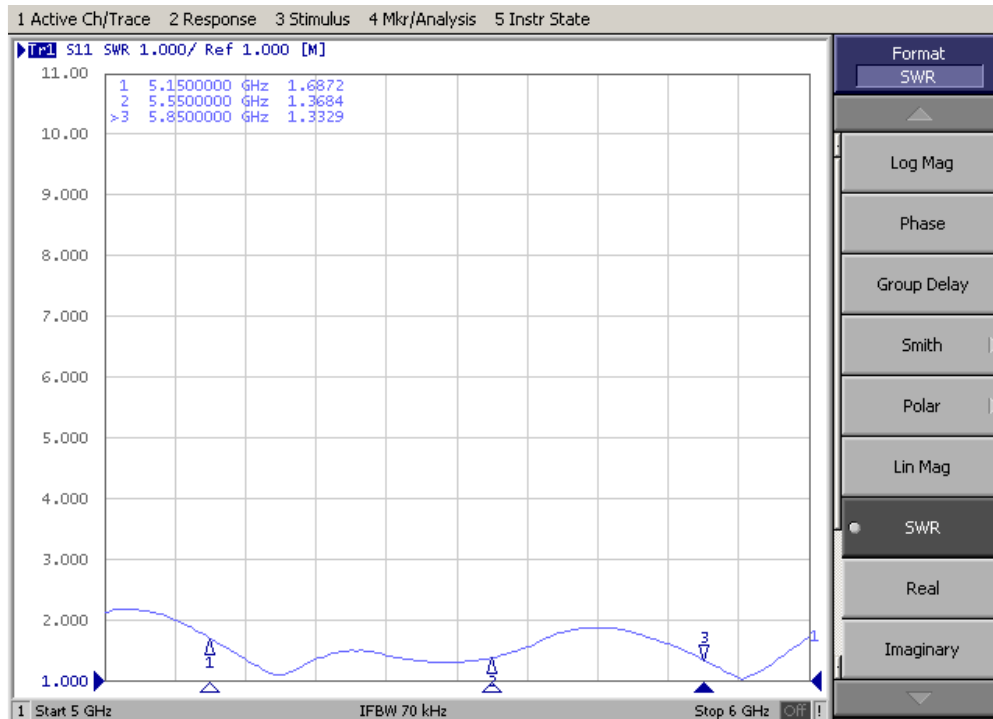
Phi axis test



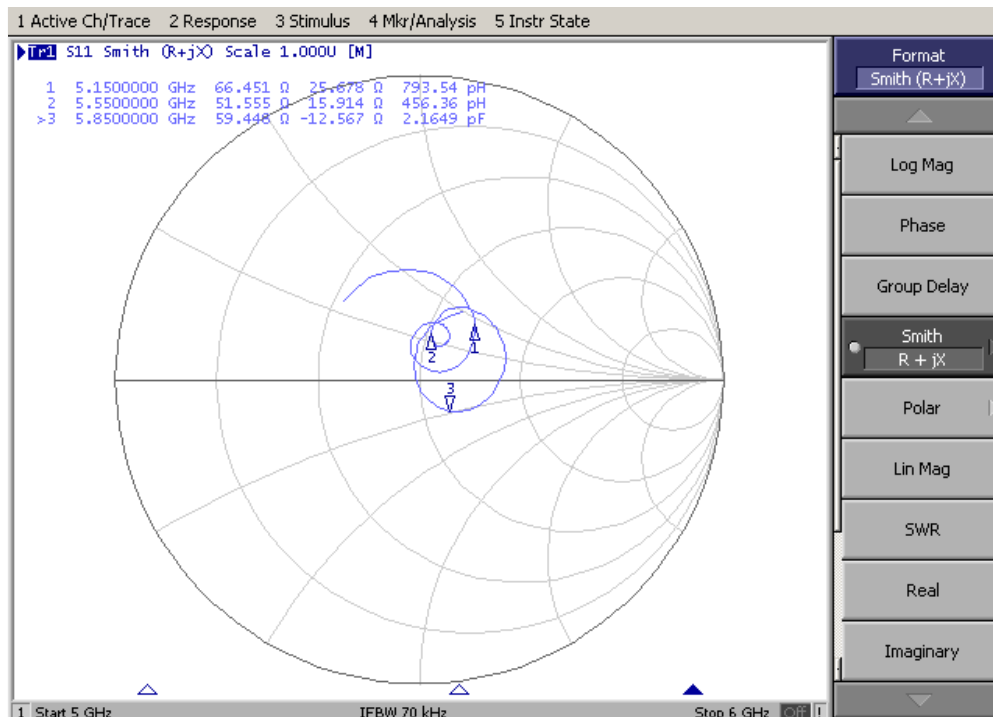
Theta axis test

(5G)

SWR



Smith





效率&增益: Efficiency&Gain

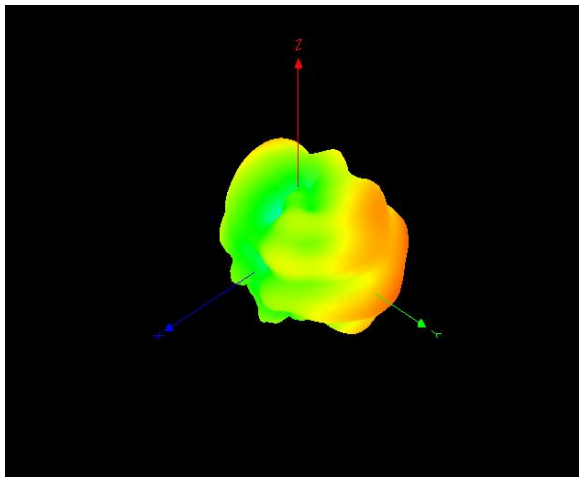
Freq (MHz)	Effi (%)	Gain(dBi)
5150	60.33	5.00
5200	65.95	3.92
5250	63.75	3.26
5300	60.98	2.94
5350	69.71	3.54
5400	69.76	3.70
5450	68.99	3.77
5500	65.24	2.98
5550	68.37	3.27
5600	69.57	3.55
5650	67.95	2.86
5700	66.09	2.85
5750	63.88	2.06
5800	65.26	2.15
5850	60.98	2.37

方向图

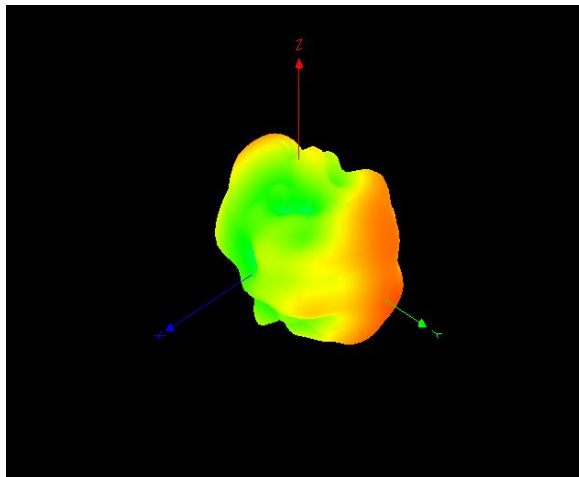
Patten

3D

5150MHz



5550MHz



5850MHz

