



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=145mm)

型号 (**Model**) : D50 home

料号 (**Part Number**) : Z02-10363-R01

The basic parameters

A. Electrical Characteristics	
Frequency	5150 MHz ~5850MHz
VSWR	≤ 2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	4.51dBi
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

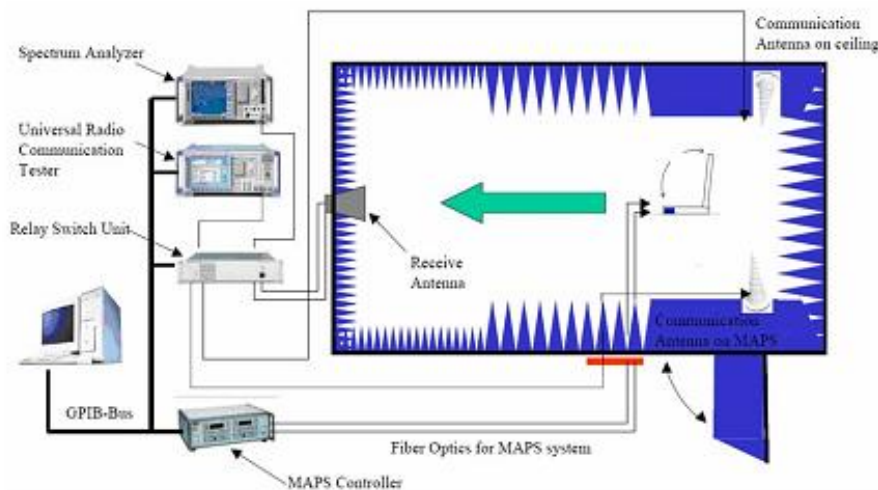
1. Network Analyzers :

Agilent 8753D 5071C

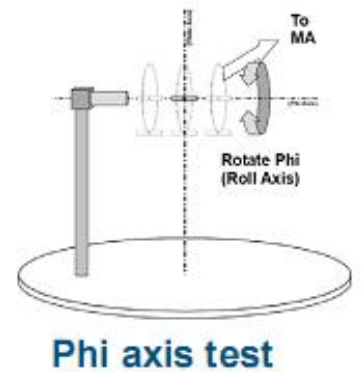
2. Communications Test Set:

Agilent 8960 CMW500

3. 3D Chamber Test System

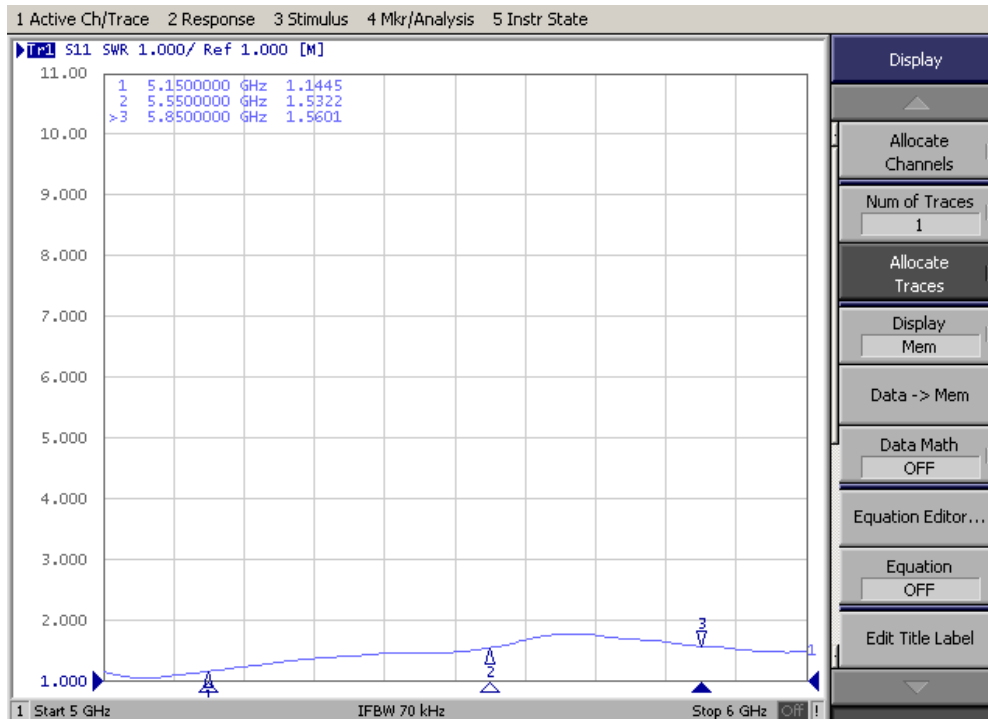


(Testing by 3D anechoic chamber)

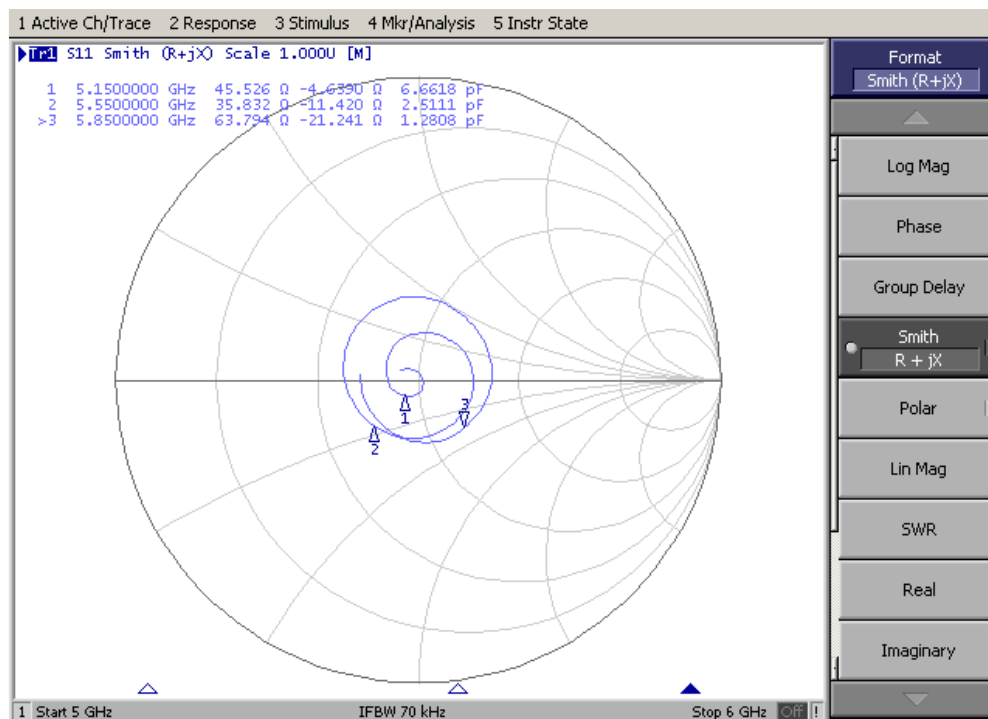


(5G)

SWR



Smith





效率&增益: Efficiency&Gain

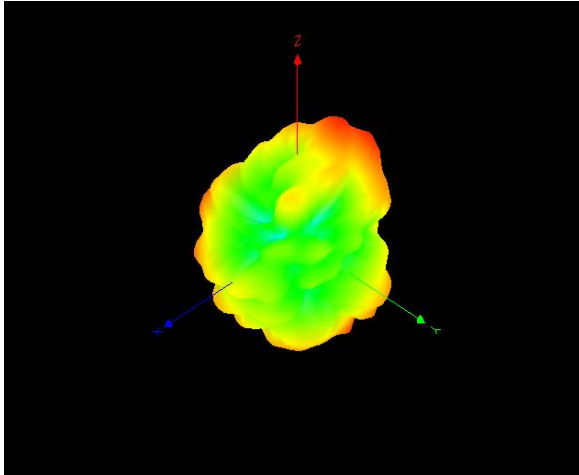
Freq (MHz)	Effi (%)	Gain(dBi)
5150	62.12	4.34
5200	64.08	4.29
5250	64.58	4.32
5300	61.52	4.43
5350	68.75	4.38
5400	68.95	4.40
5450	68.95	4.30
5500	65.46	4.43
5550	64.45	4.46
5600	63.87	4.34
5650	63.08	4.43
5700	62.32	4.35
5750	60.71	5.00
5800	64.09	4.49
5850	66.52	4.31

方向图

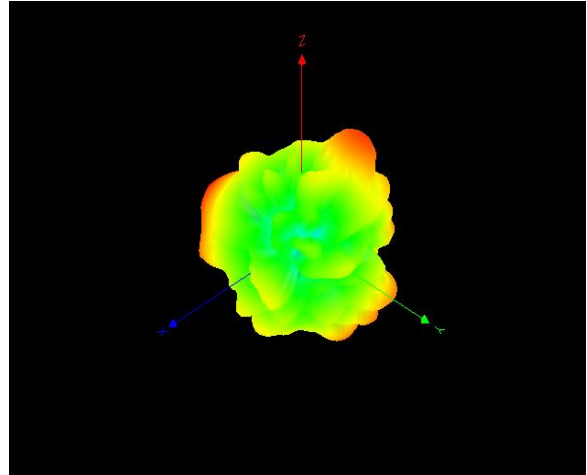
Patten

3D

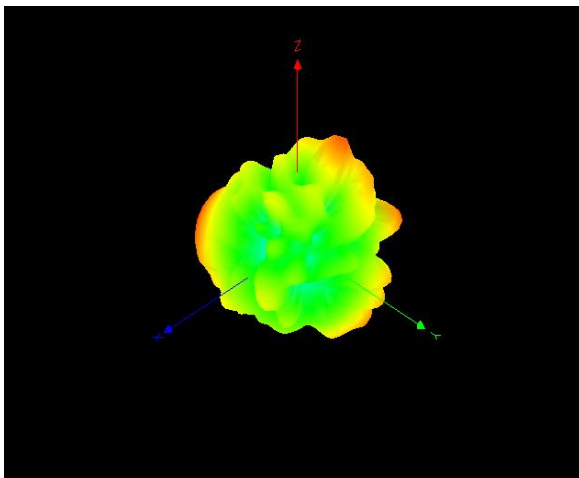
5150MHz



5550MHz

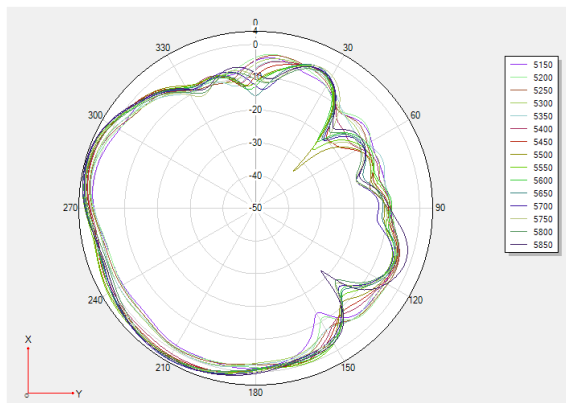


5850MHz

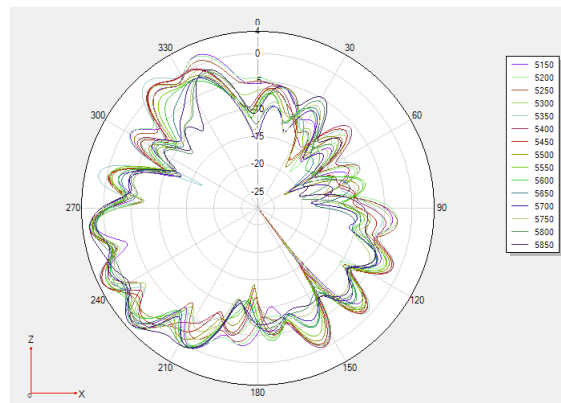


2D

XOY



ZOX



ZOY

