



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**) : ZigBee antenna (L=150mm)

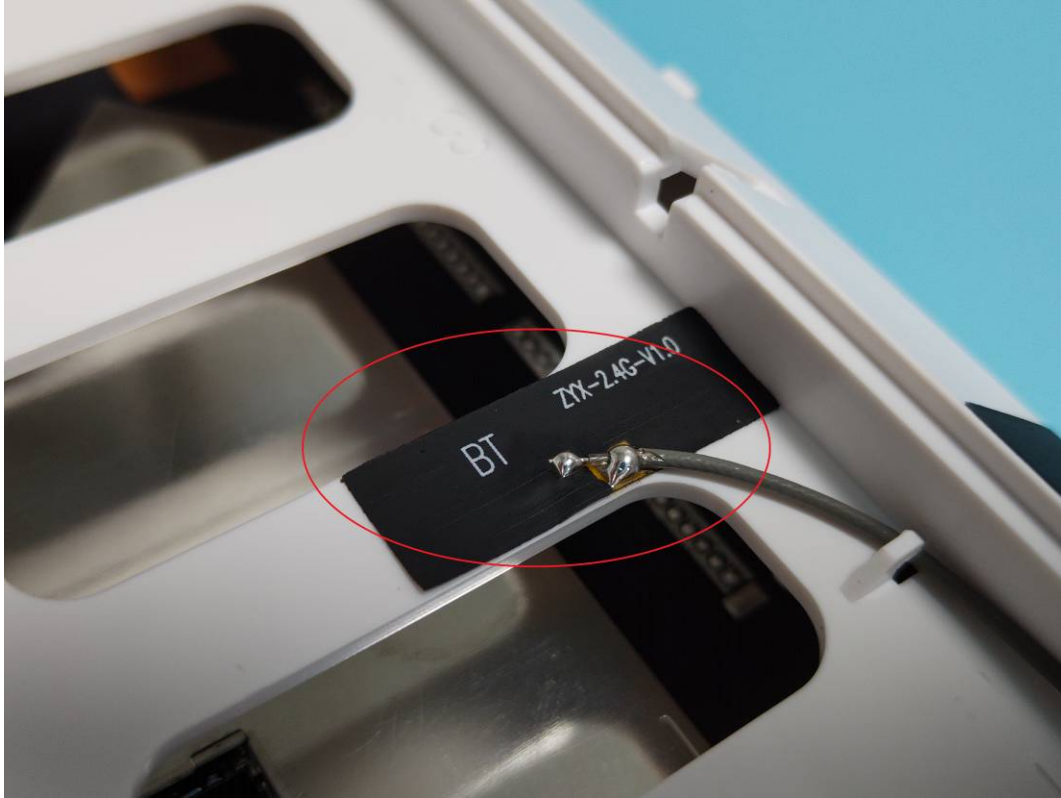
型号 (**Model**) : D50 home

料号 (**Part Number**) : Z02-10338-R01

The basic parameters

A. Electrical Characteristics	
Frequency	2400 MHz ~2500MHz
VSWR	≤ 2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	5.00 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	$\Phi 1.13\text{mm}$ Gray
Connector Type	IPEX
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

Product Drawing:



Test Equipment & Conditions

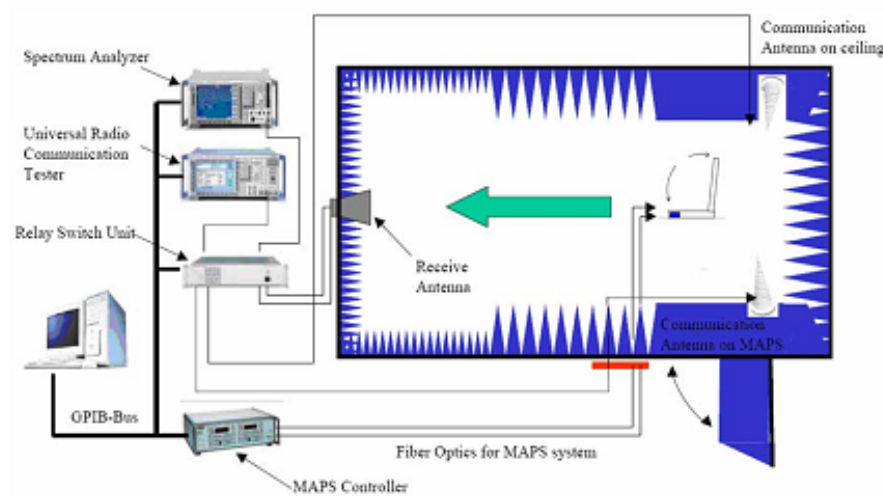
1. Network Analyzers :

Agilent 8753D 5071C

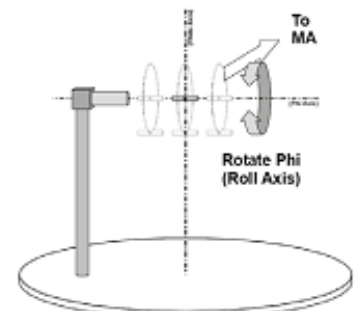
2. Communications Test Set:

Agilent 8960 CMW500

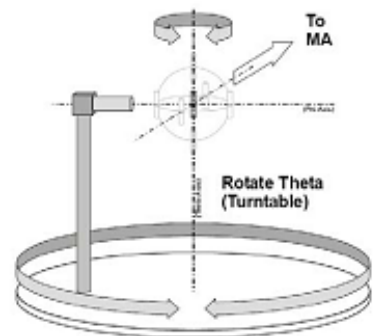
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)

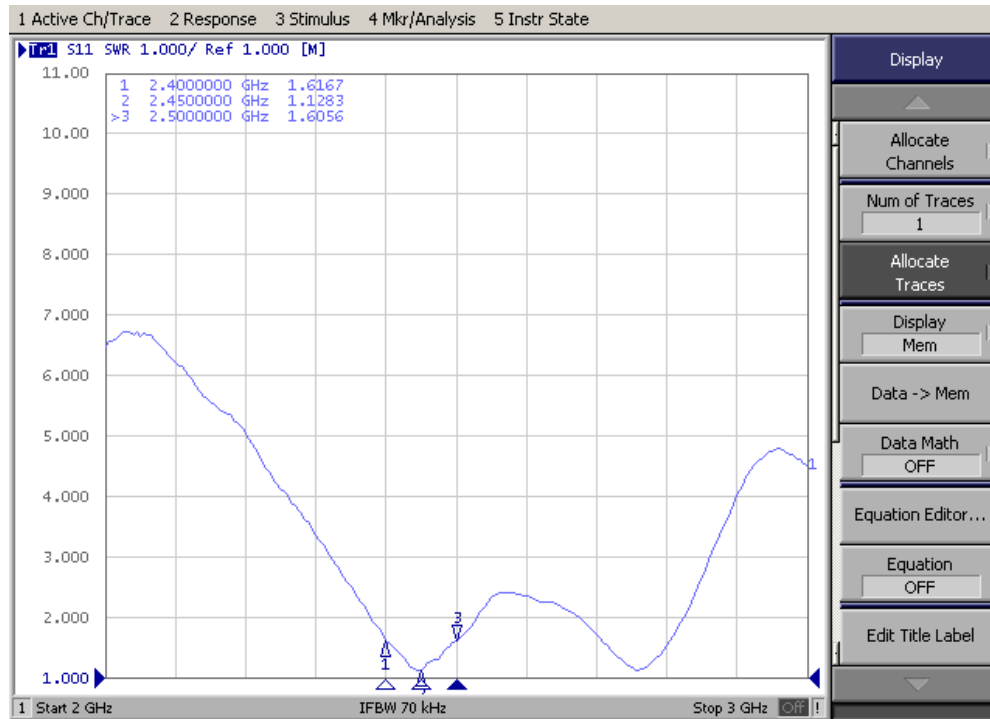


Phi axis test

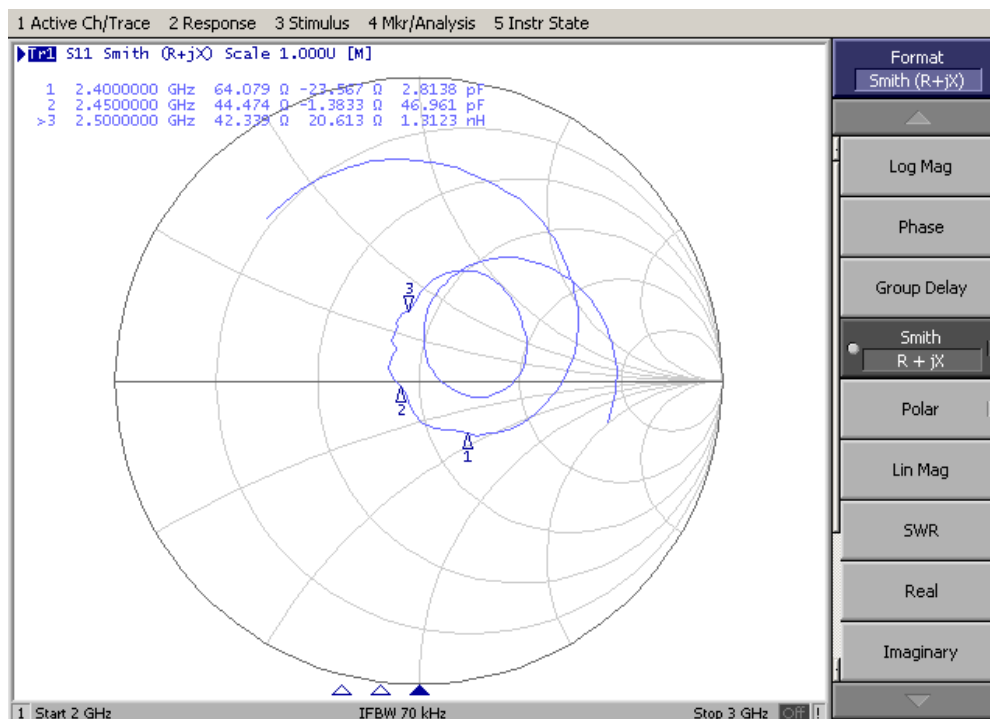


Theta axis test

SWR



Smith





效率&增益:
Efficiency&Gain

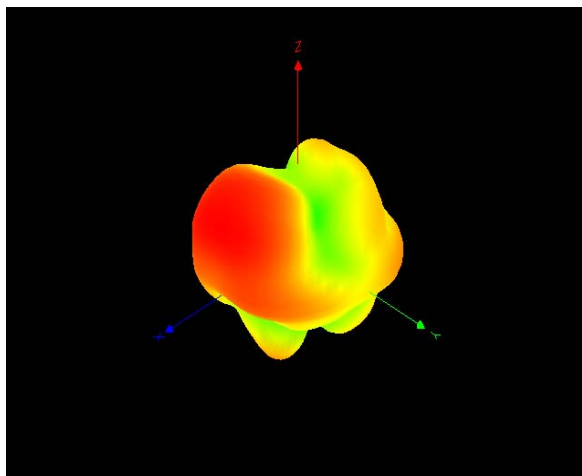
Freq (MHz)	Effi (%)	Gain (dBi)
2400	64.89	4.89
2410	66.20	4.96
2420	67.97	4.92
2430	69.50	4.87
2440	63.11	4.81
2450	63.78	5.00
2460	65.05	4.91
2470	67.08	4.82
2480	69.21	4.92
2490	69.97	4.83
2500	68.40	4.94

方向图

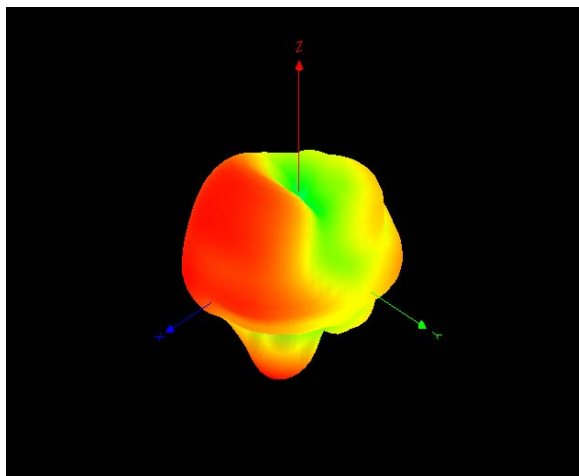
Patten

3D

2400MHz



2450MHz



2500MHz

