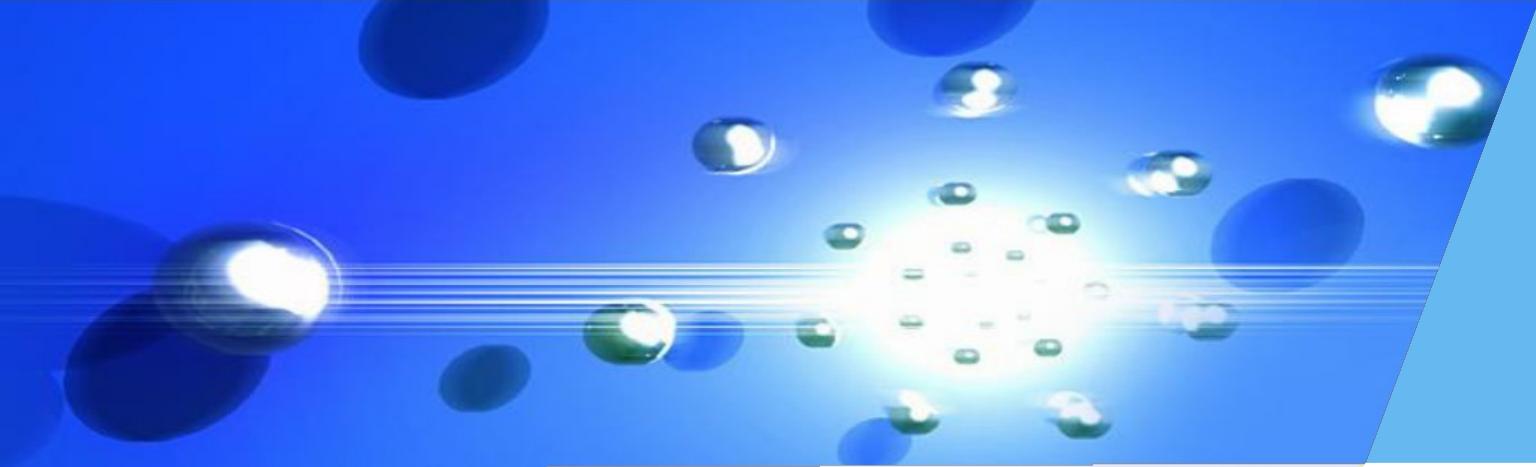


Professional RF research and development institutions



Shenzhen deweima communication

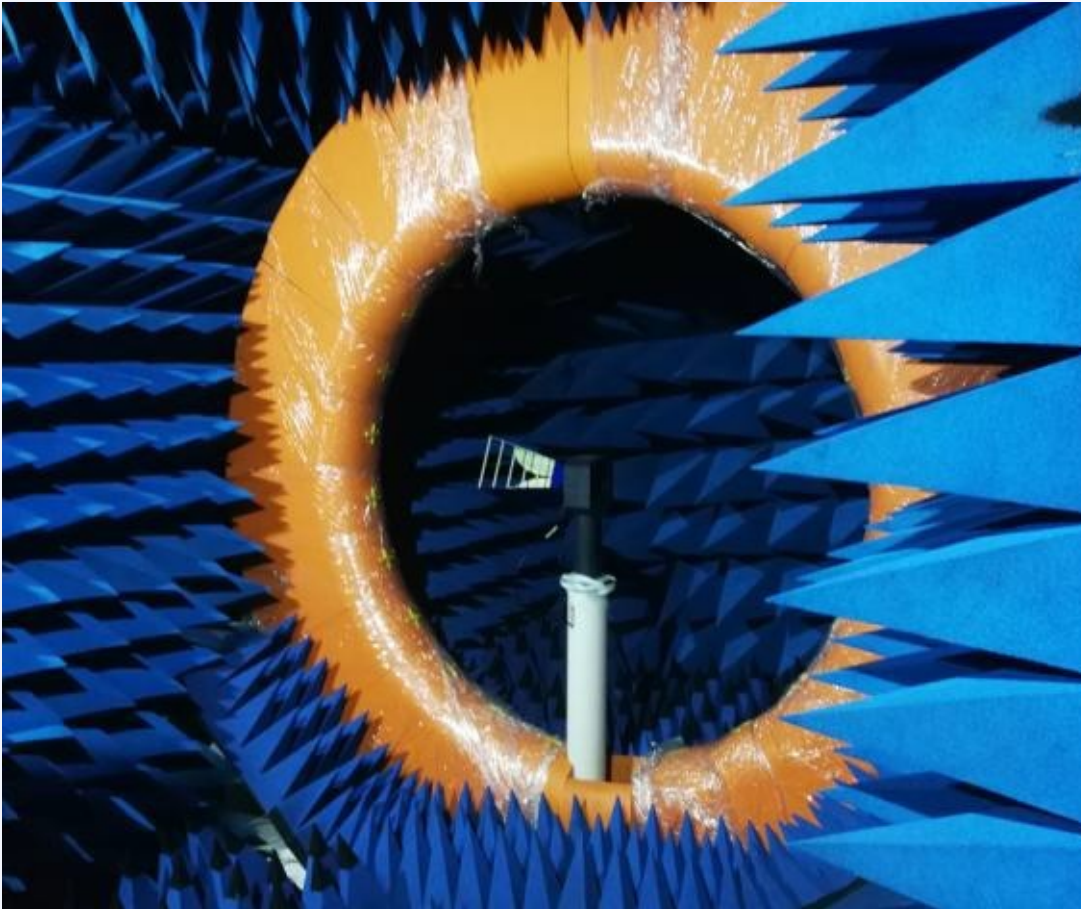
天线测试报告

Manufacturer: Ningbo Sanhu Sports Goods Co.,Ltd
Address: 118 Zhen Zhong Lu, Langxia Street, YuyaoCity, Zhejiang Province, China

item information

0	客户:
2	Project: Intelligent Dumbbells
t	Frequency band: BT- 2400~2500MHZ
f e o u r	Rem arks:

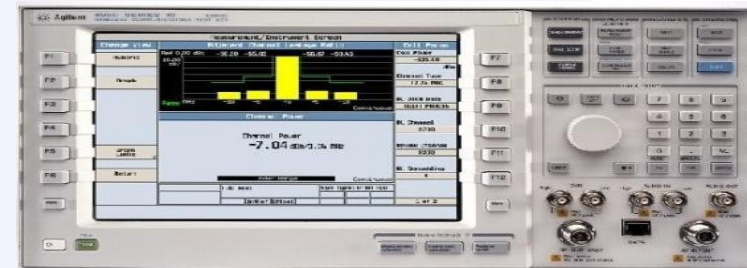
Test instruments and equipment



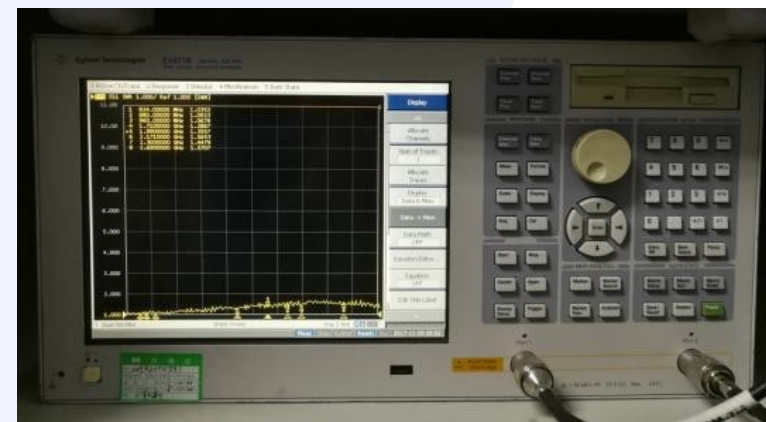
A 24-probe microwave chamber



R&S CMW500



Agilent E5515C



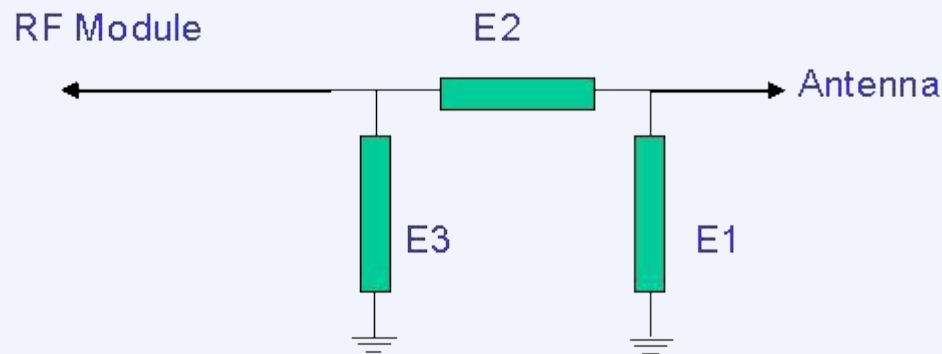
Agilent Technologies E5071B

Whole machine diagram



Description of antenna switch and matching circuit

Our company has not modified the original matching circuit of the antenna.

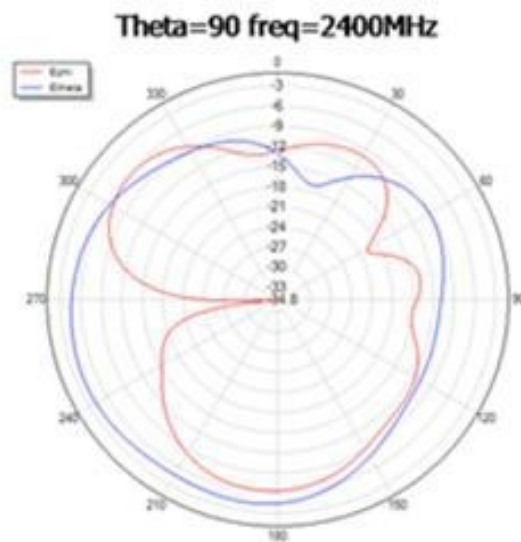
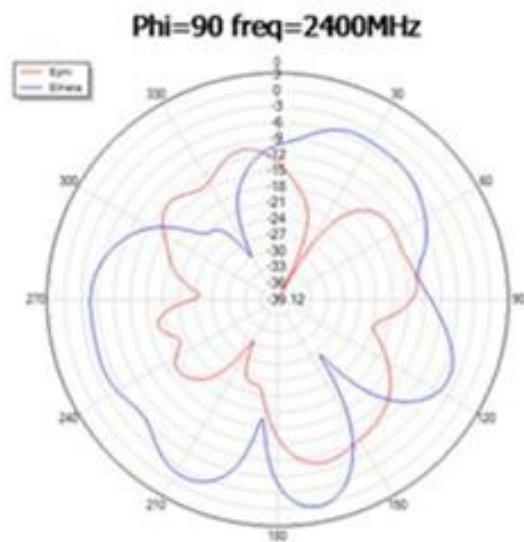
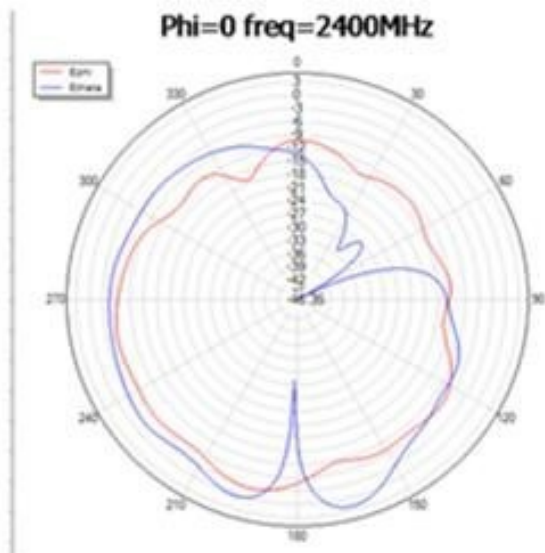
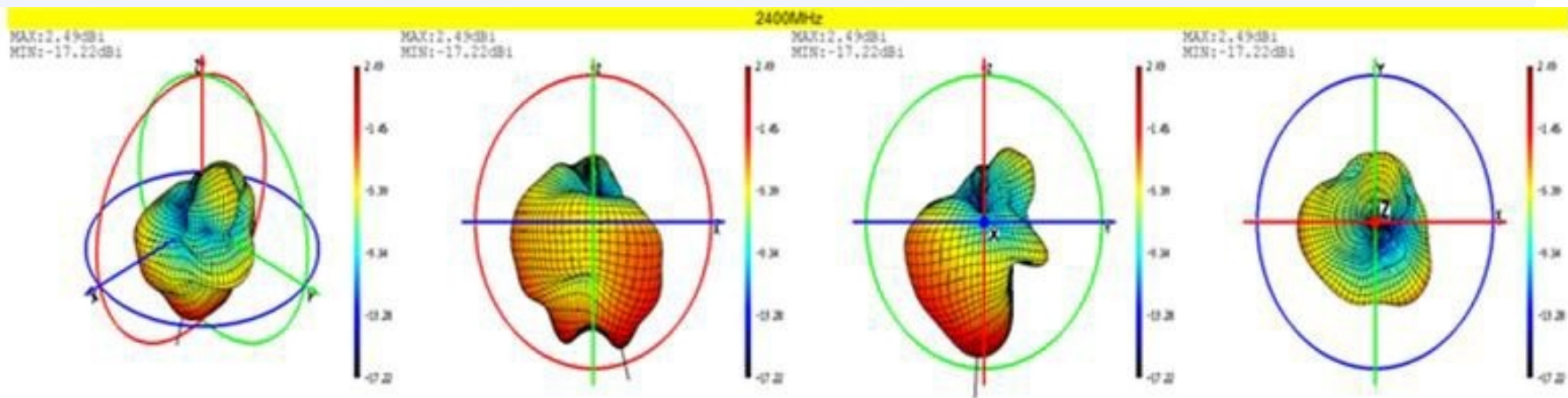


Element	Value
E1(0201)	NC
E2(0201)	0Ω
E3(0201)	NC

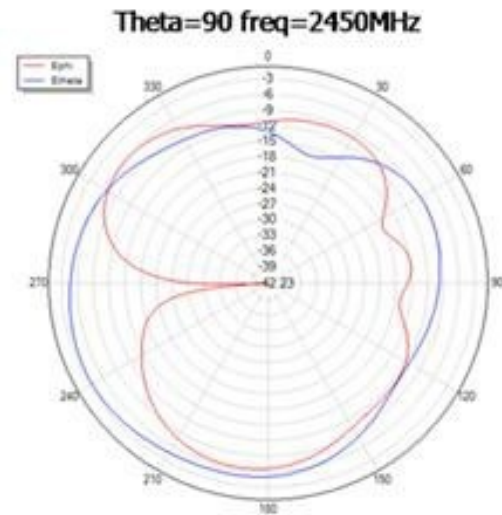
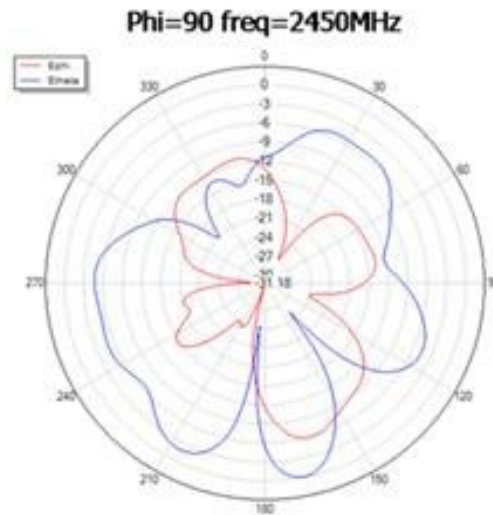
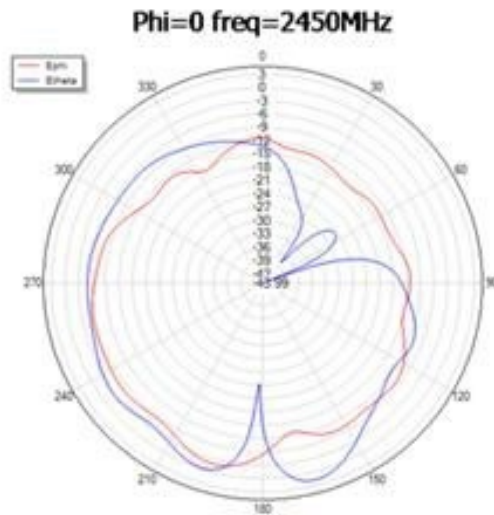
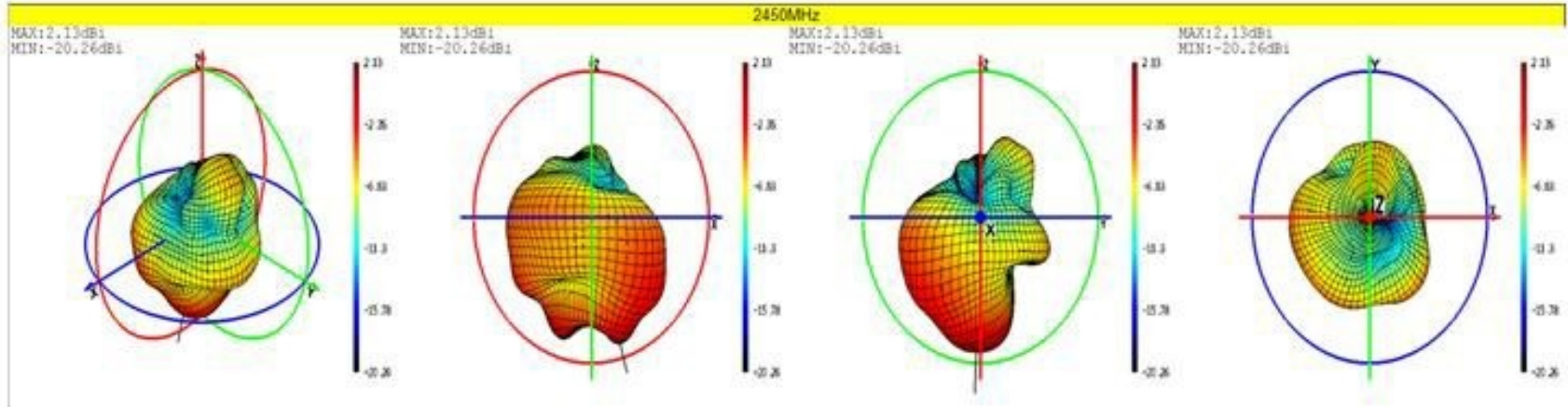
Antenna passive gain

Frequency 频率(MHz)	Gain 增益(dBi)	Efficiency 效率(%)
2400.00	2.49	36.33
2410.00	2.20	35.51
2420.00	2.74	37.82
2430.00	2.88	38.10
2440.00	2.60	36.90
2450.00	2.13	35.58
2460.00	1.26	34.26
2470.00	0.93	33.25
2480.00	0.85	33.21
2490.00	0.97	33.22
2500.00	1.95	36.19

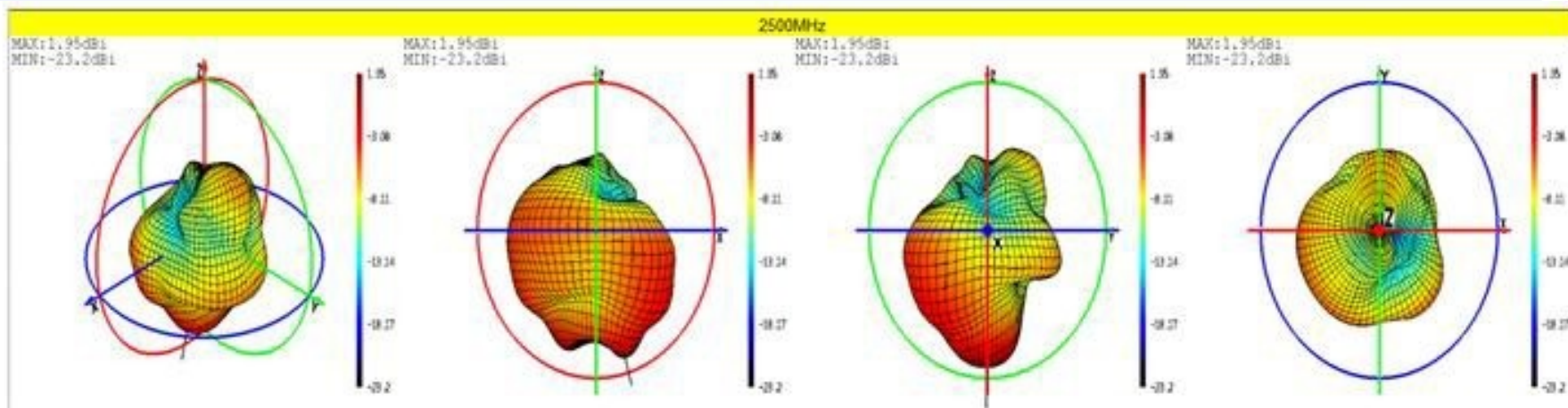
Passive Apple Map /2D Pattern of Antenna



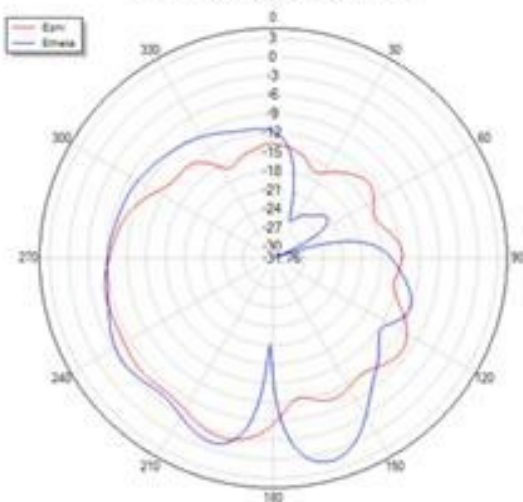
Passive Apple Map /2D Pattern of Antenna



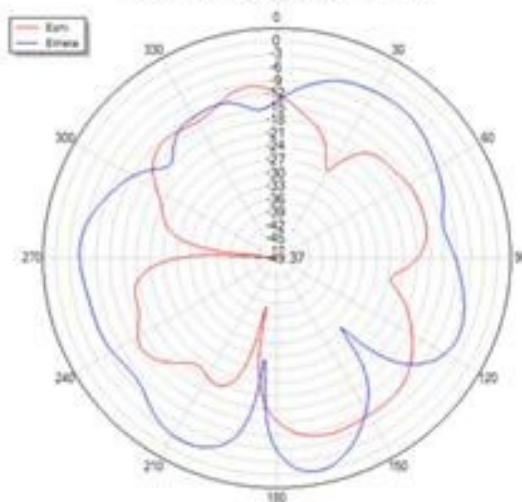
Passive Apple Map /2D Pattern of Antenna



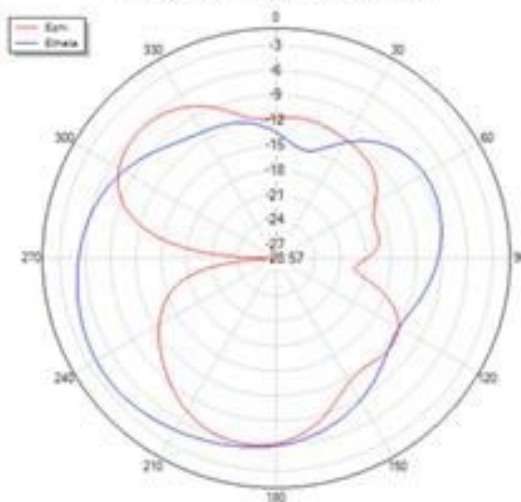
Phi=0 freq=2500MHz



Phi=90 freq=2500MHz



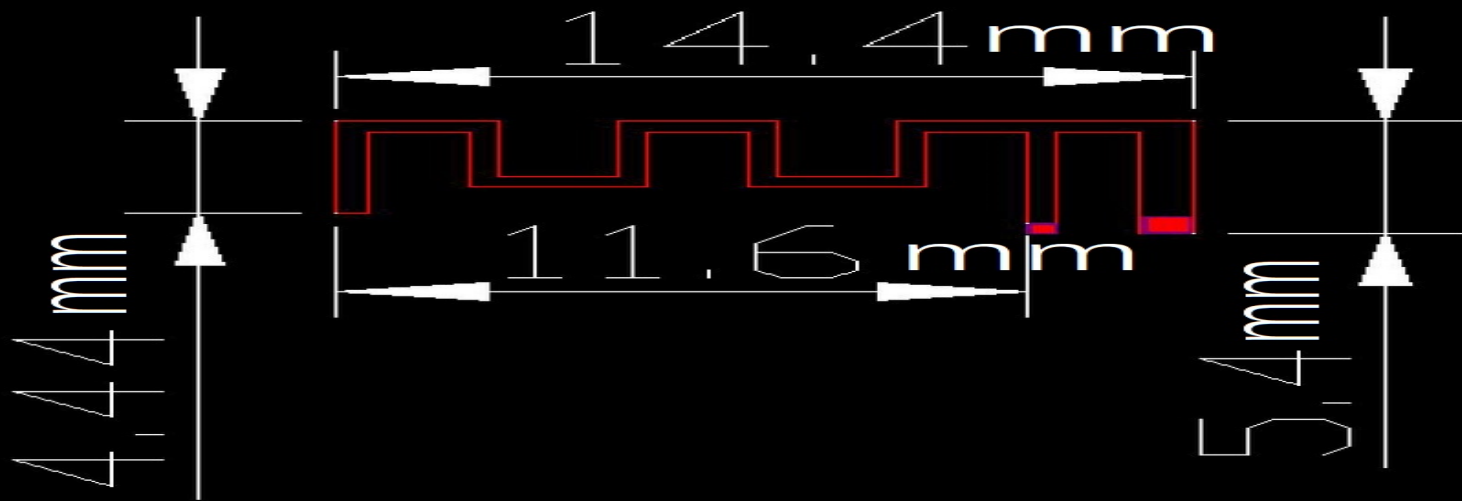
Theta=90 freq=2500MHz



Antenna active test data

Band	TRP/TIS	0	39	seventy-eight
BT	TRP	-4.78	-4.89	-5
	TIS	-73.66	-79.52	-74.28

Professional RF research and development institutions



Antenna material:PCB Antenna

Professional RF research and development institutions

An abstract graphic featuring a deep blue background with several glowing, metallic-looking spheres of varying sizes. Some spheres are in sharp focus, while others are blurred, creating a sense of depth. Bright light rays emanate from a central cluster of spheres, spreading outwards. The overall composition is dynamic and futuristic.

Thank You !

**Company address: 3rd floor, Building 1, Friendship Building,
Chuangye Second Road, Zone 23, Bao 'an, Shenzhen (behind Ping
An Bank at Exit B of Honglang North Subway).**