



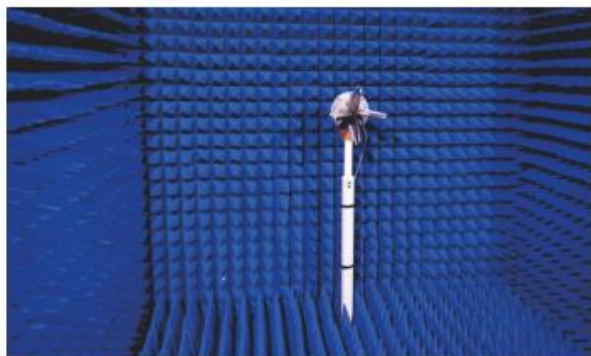
深圳市迪比通通讯设备有限公司

Shenzhen DBT Telecommunication Technology CO.,LTD

Antenna Specification

add : Room 505, Building 8, Phase II, Nanshan Yungu, Taoyuan Sub-district, Nanshan District, Shenzhen City

1. 测试设备

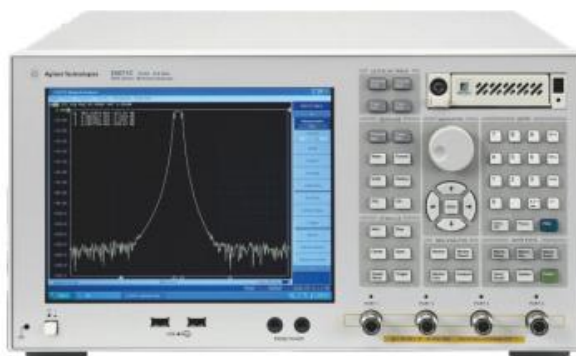


Shenzhen Nanshan District Taoyuan Street Nanshan
Yun Gu Phase II Building 8, Room 505 OTA-800
Brand: ETS
Frequency range: 370MHz - 8.5GHz
Functions: Passive and active testing; G network,
C network, 2G/3G/4G

WIFI, BT and other standards' TRP and TIS tests.



8960
Brand: Agilent
Frequency range: 292 MHz - 2700 GHz
Function: Meets the requirements of 2G
/3G active testing.

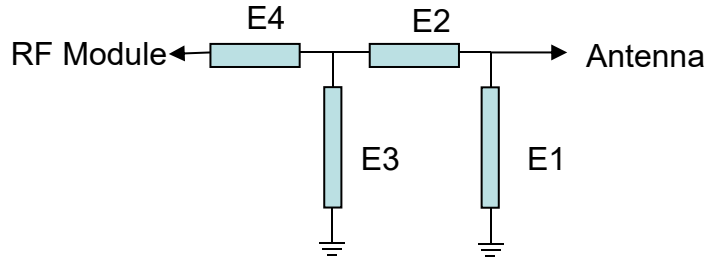


5071C
Brand: Agilent ✓
Frequency range: 9KHz - 8.5GHz
Function: Comprehensive passive testing of
antennas for 2G/3G/4G/BT/WIFI, etc.



CMW500
Brand: Rod & Schwartz
Frequency range: 70KHz - 6GHz
Function: Integrated active antennas for 2G/3G/4G
/BT/WIFI/NB-Lot etc.

2. 匹配电路 match circuit



Element	MAIN	GPS/WIFI /BT	AUX
E1(0201)			
E2(0201)	0Ω		
E3(0201)	N/A		
E4(0201)	0Ω		

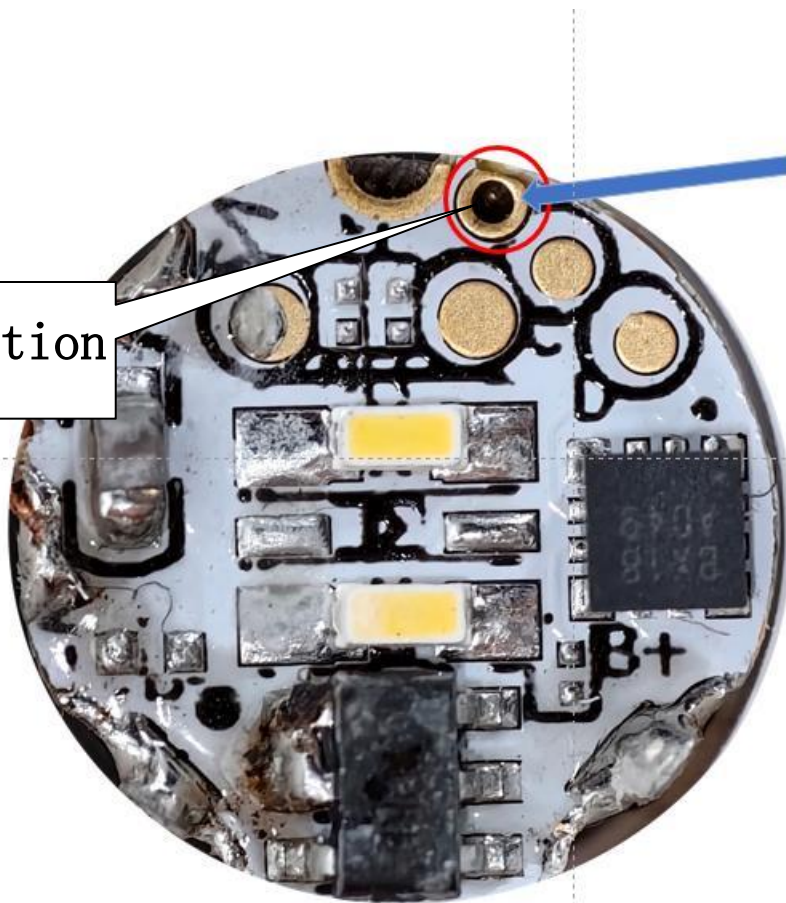
3.天线装配位置实物图

Physical diagram of antenna assembly position



Antenna wire position

BT ANT Pad
diameter 0.8mm



4.电性能指标 Electrical performance indicators



电性能指标 Electrical Parameter		
频率范围(MHz)	Frequency Range (MHz)	2400~2500
电压驻波比	VSWR	≤7.0
输入阻抗(Ω)	Input Impedance(Ω)	50
增益(dBi)	Gain(dBi)	0.89
极化形式(°)	Polarization(°)	vertical
最大功率(W)	Max power(W)	10
天线类型	Antenna Type	Monopole
工作温度(℃)	Working Temperature(℃)	-40~+80

5.天线无源数据

Antenna passive data

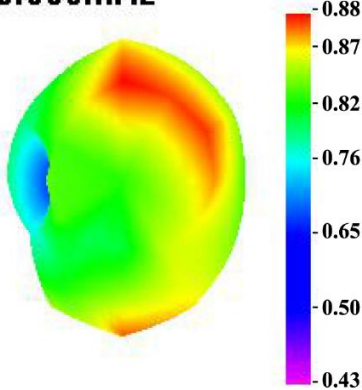


6.天线增益/效率/3D苹果图 Antenna gain/efficiency/3D apple diagram

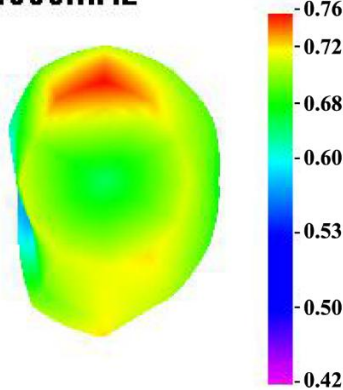


Freq (MHz)	Effi (%)	Gain (dBi)
2400	1.6	0.89
2410	1.36	0.87
2420	1.77	0.86
2430	1.45	0.85
2440	1.42	0.79
2450	1.18	0.78
2460	1.63	0.77
2470	1.01	0.76
2480	1	0.69
2490	0.73	0.61
2500	1.42	0.67

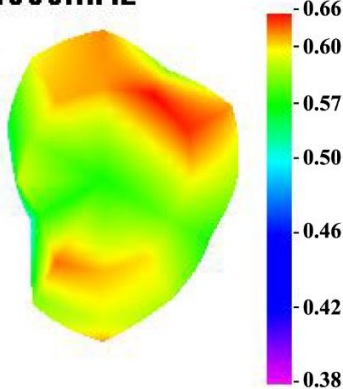
2400.000MHz



2450.000MHz



2500.000MHz

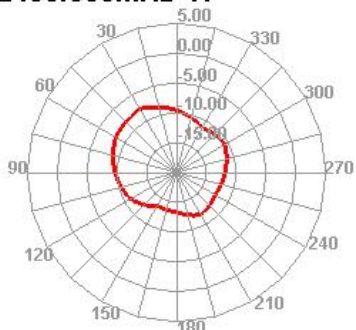


7.天线方向图

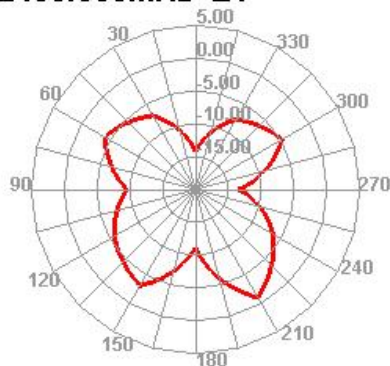
Antenna azimuth pattern



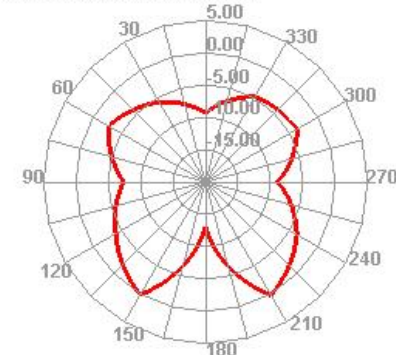
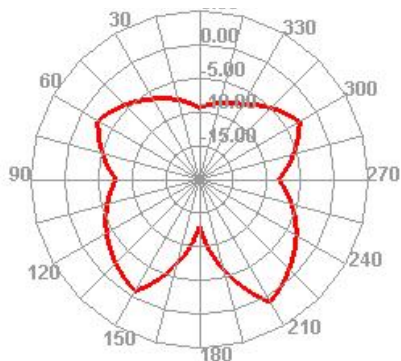
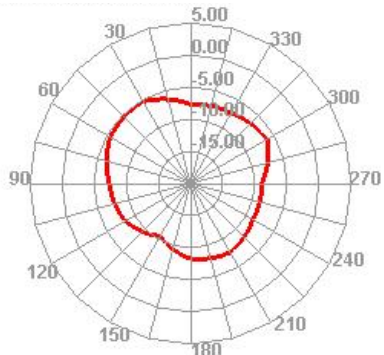
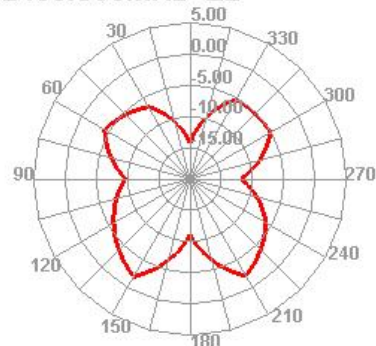
2400.000MHz H



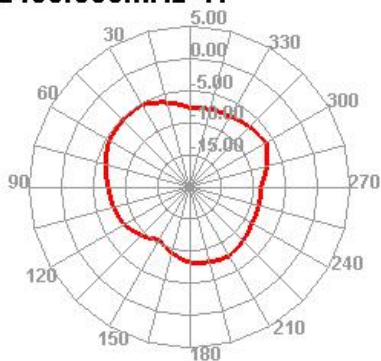
2400.000MHz E1



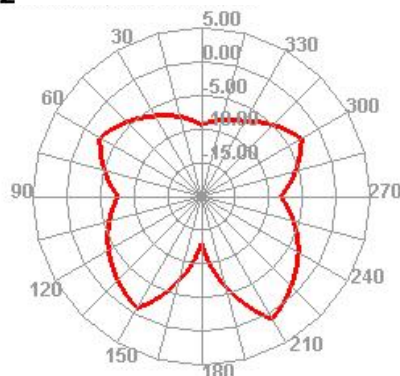
2400.000MHz E2



2450.000MHz H



2



2450.000MHz E2

