



Shenzhen DBT Telecommunication Technology CO.,LTD

Antenna Testing Report

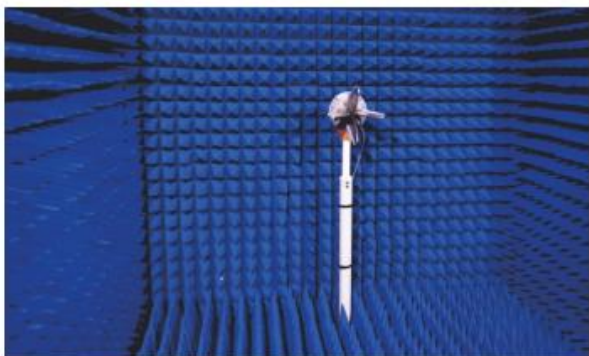
Client: Guangdong Welland Technology Co., Ltd.

Project: FI2540LB

Antenna standard: BLE

Contact information: TELL: 0755-83763273 FAX:
0755-83763348 Email:
dbt1668@163.com Address: Building 8,
Building 505, Yungu Phase II, Pingshan 1st
Road, Xili Town, Nanshan District, Shenzhen

1. Test Equipment

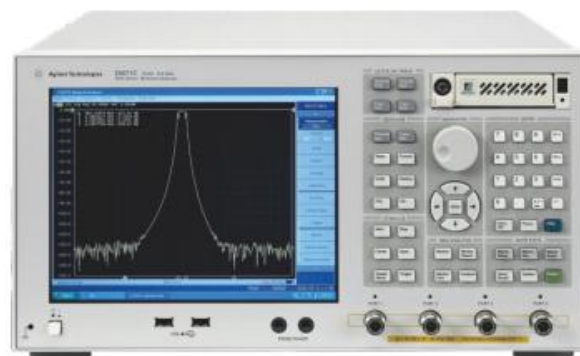


OTA-800

Brand: ETS 

Frequency range: 370MHz-8.5GHz

Features: passive、active test; G net、C net、2G/3G/4G, WIFI and BT, TRP、TIS test.



5071C

Brand: Agilent 

Frequency range: 9KHz-8.5GHz

Features: 2G/3G/4G/BT/WIFI antenna comprehensive passive test.



8960

Brand: Agilent

Frequency range: 292MHz-2700GHz

Features: 2G/3G active test.



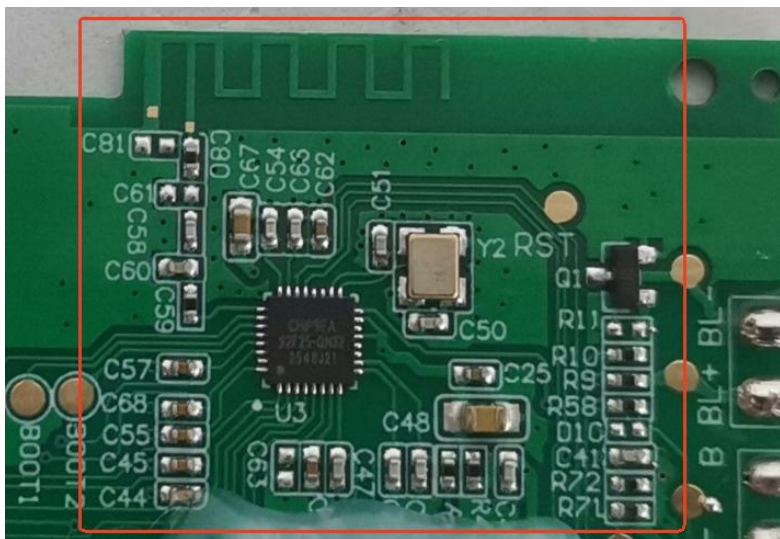
CMW500

Brand: Rohde & Schwarz

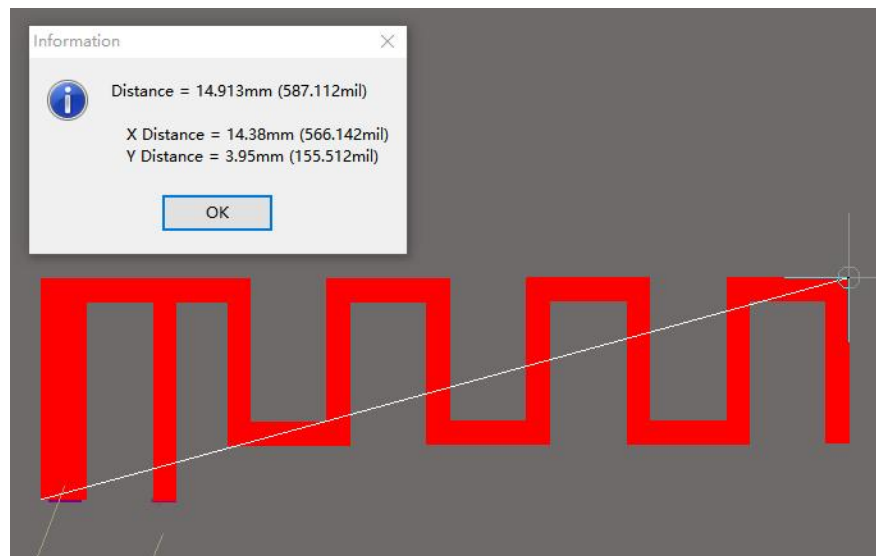
Frequency range: 70KHz-6GHz

Features: 2G/3G/4G/BT/WIFI/NB-Lot antenna comprehensive passive test.

3. Antenna assembly position



实物图



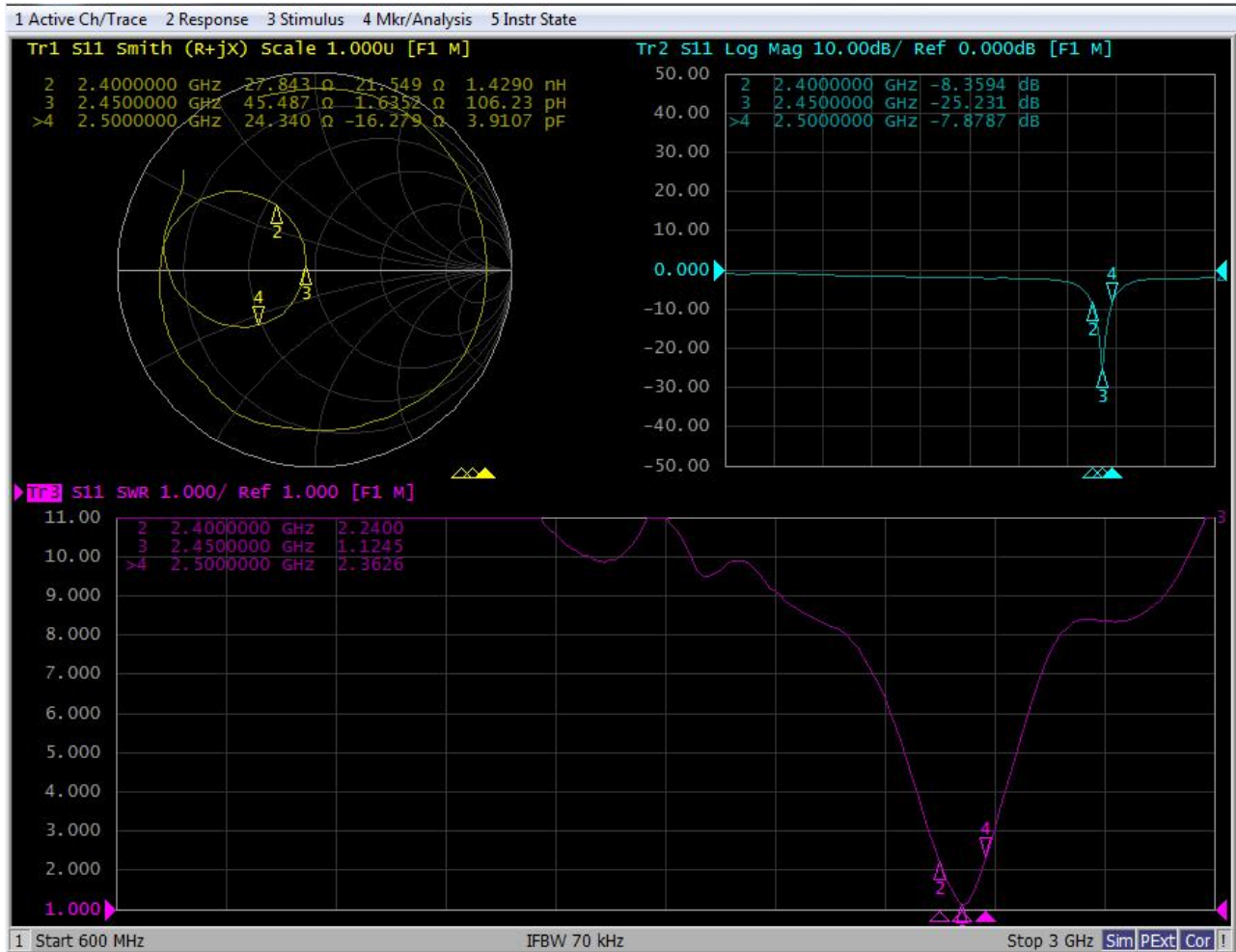
天线尺寸

4.Electrical Parameter



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)	-0.2
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(°C)	Working Temperature(°C)	-40~+80

5.Antenna Passive Data



6.Antenna Gain/Efficiency/3D Apple Chart



Freq (MHz)	Effi (%)	Gain (dBi)
2400	16.72	-0.88
2410	18.33	-0.48
2420	19.9	-0.29
2430	20.68	-0.2
2440	20.73	-0.24
2450	20.02	-0.37
2460	18.4	-0.81
2470	18.76	-0.58
2480	18.35	-0.91
2490	18	-0.78
2500	16.09	-1.54

6.Antenna Gain/Efficiency/3D Apple Chart

