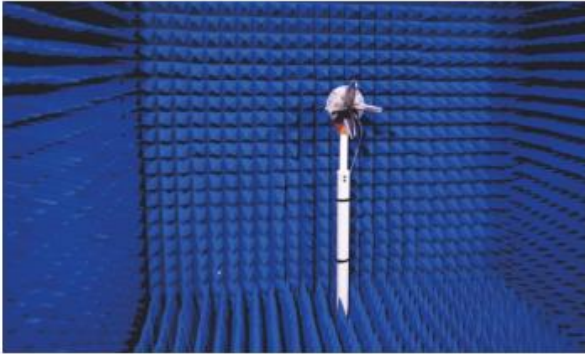




Shenzhen DBT Telecommunication Technology CO.,LTD

Antenna Testing Report

1. Test Equipment

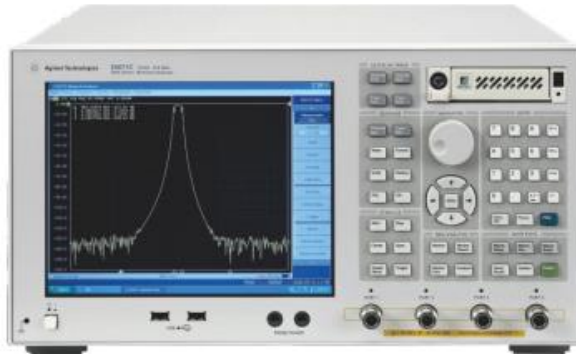


OTA-800

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.



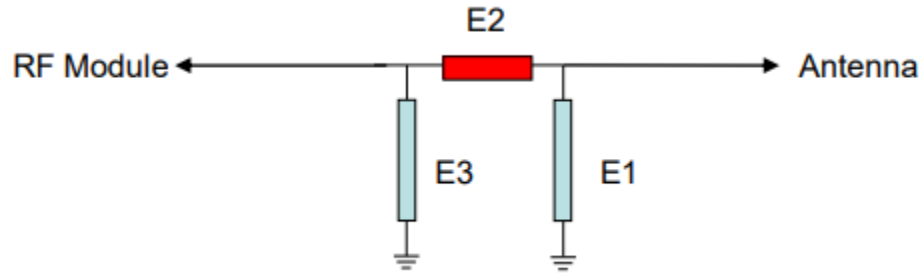
CMW500

Brand: Rohde & Schwarz

Frequency range: 70KHz-6GHz

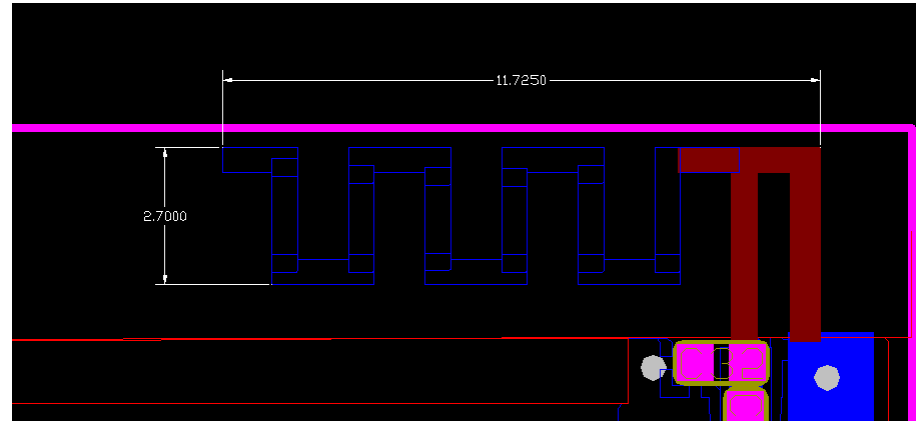
Features: 2G/3G/4G/BT/WIFI/NB-Lot antenna comprehensive passive test.

2. Matching circuit



Element	BLE
E1	N/A
E2	2.2 PF
E3	N/A

3. Antenna assembly position



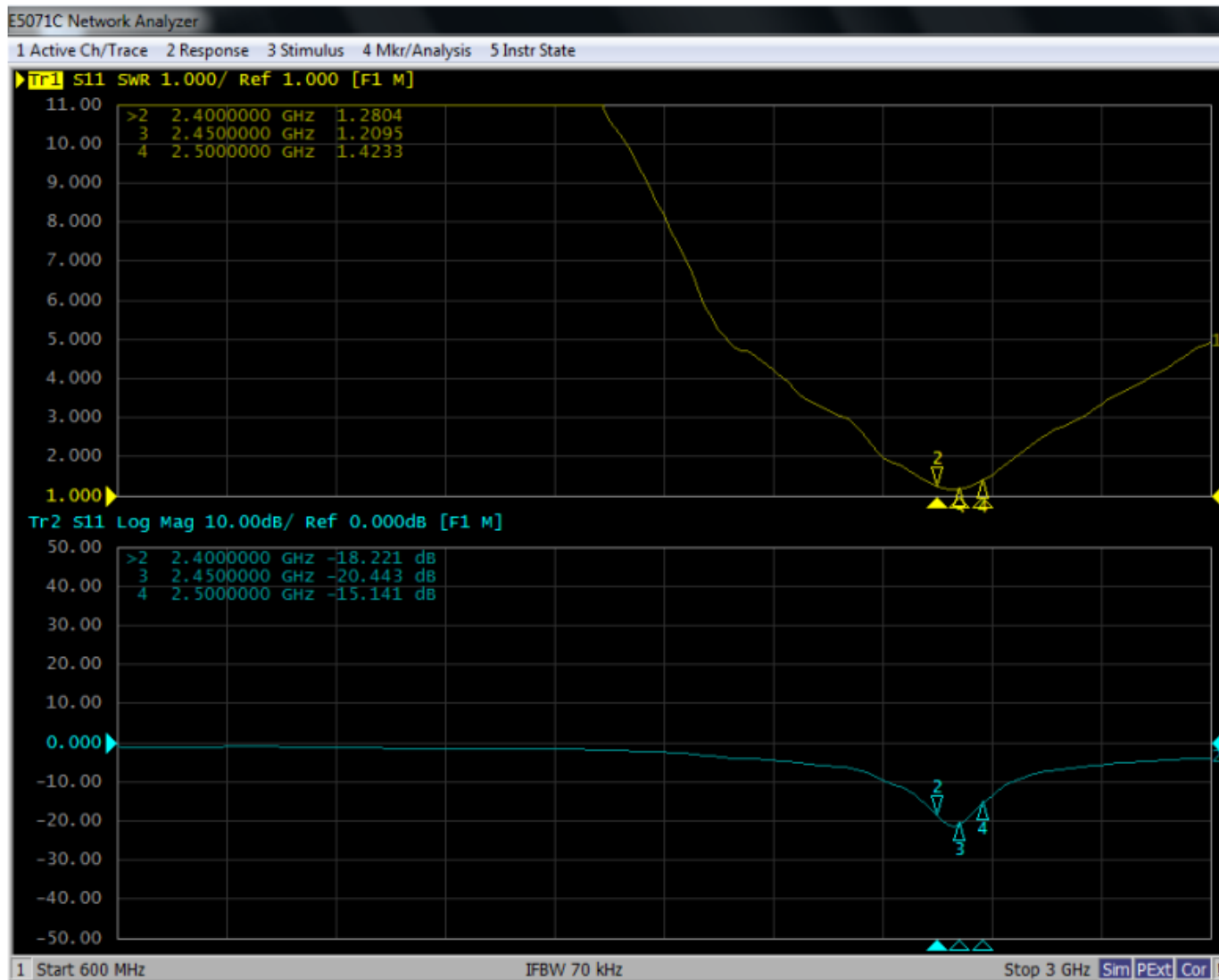
Inverted F snake antenna

4. Electrical Parameter



Electrical Parameter	
Frequency Range (MHz)	2400~2500
VSWR	≤7.0
Input Impedance(Ω)	50
Gain(dBi)	-2.11
Polarization(°)	vertical
Max power(W)	10
Antenna Type	Monopole
Working Temperature($^{\circ}\text{C}$)	-40~+80

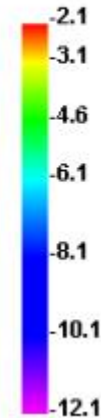
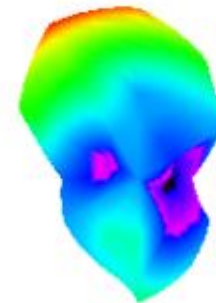
5. Antenna Passive Data



6. Antenna Gain/Efficiency/3D Apple Chart

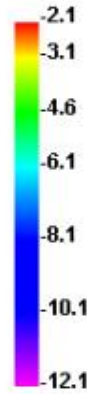
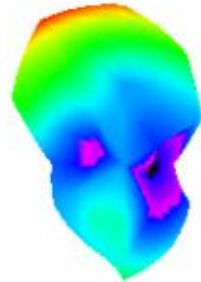
Freq (MHz)	Effi (%)	Gain (dBi)
2400	9.92	-3.18
2410	9.85	-3
2420	9.75	-2.92
2430	10.72	-2.35
2440	10.54	-2.36
2450	11.43	-2.11
2460	9.86	-2.78
2470	10.55	-2.51
2480	10.54	-2.55
2490	11.02	-2.25
2500	9.62	-2.77

2450.000MHz

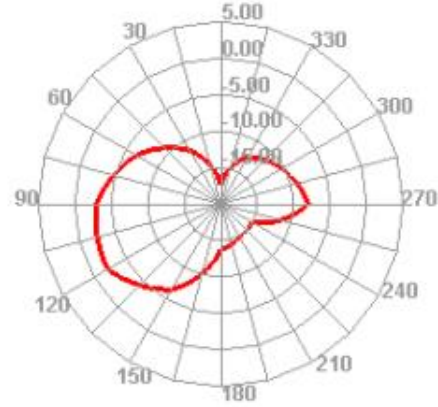


7. Antenna Direction Map

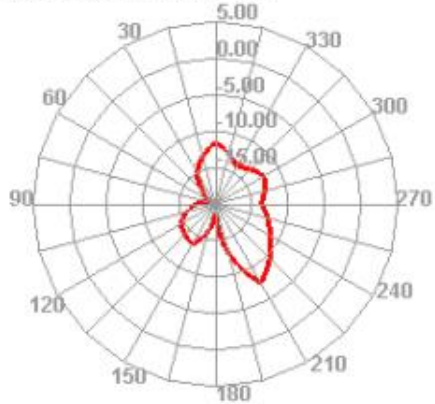
2450.000MHz



2450.000MHz H



2450.000MHz E1



2450.000MHz E2

