



深圳市迪比通通讯设备有限公司

Shenzhen DBT Telecommunication Technology CO.,LTD

天线测试报告

Antenna Report

Client : Welland

Project : FG2019LB-I

Antenna: BT_A

RF: 王志锋

TEL: 13823540870

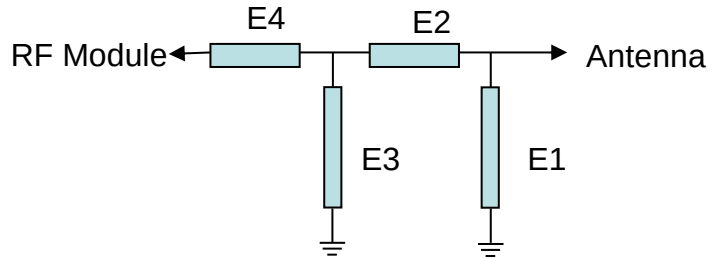
TIME: 2019/11/09

Shenzhen DBT Telecommunication Technology CO.,LTD R&D Department
505, Building 8, Nanshan Yungu II, Taoyuan Street, Nanshan District, Shenzhen

让人人分享优质通讯

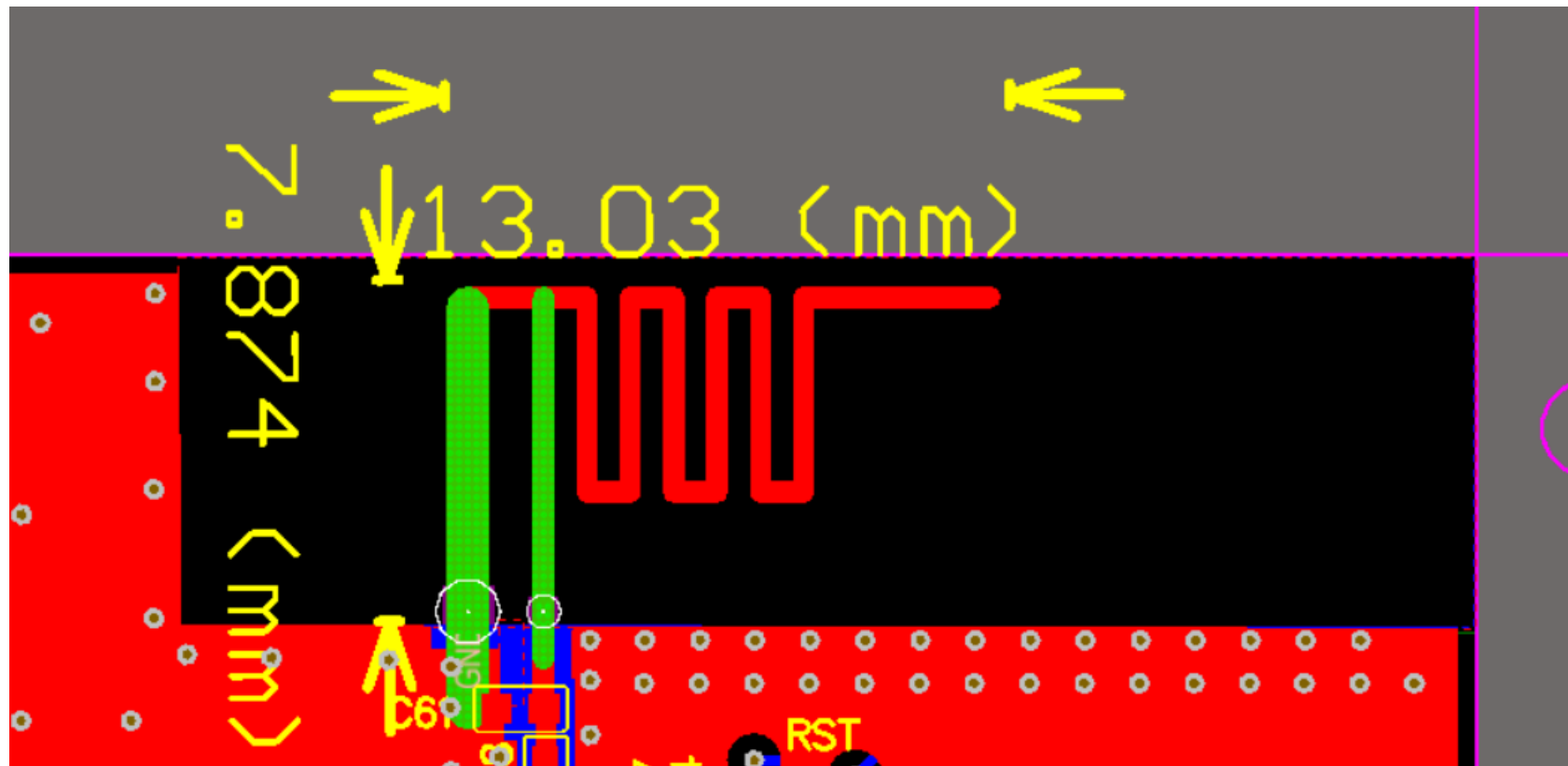
CO.,LTD R&D Department

2. match circuit



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

3. Antenna assembly position diagram



4. Electrical performance index



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($^{\circ}$)	Polarization($^{\circ}$)	vertical
最大功率(W)	Max power(W)	10
天线类型	Antenna Type	PCB
工作温度($^{\circ}\text{C}$)	Working Temperature($^{\circ}\text{C}$)	-40~+80

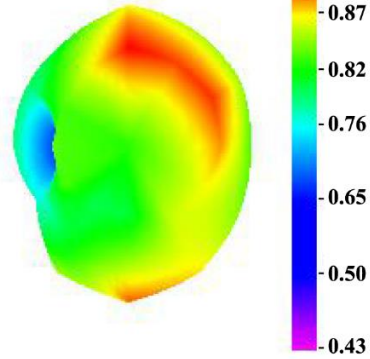
5. Antenna passive data



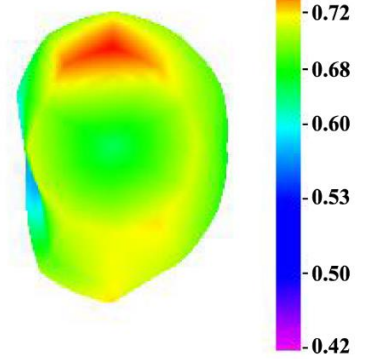
6. Antenna gain/Efficiency /3D Apple chart

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

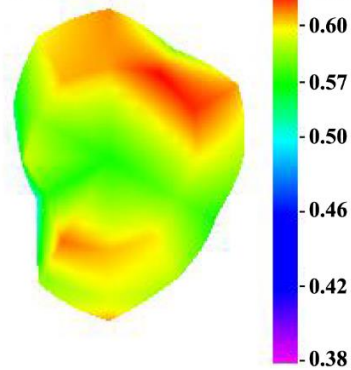
2400.000MHz



2450.000MHz

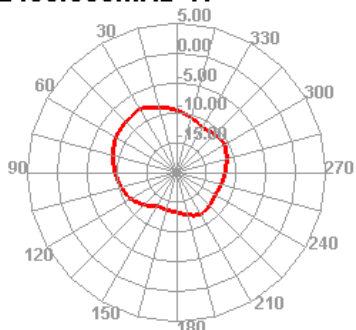


2500.000MHz

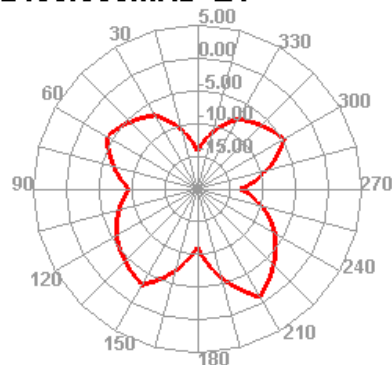


7.antenna pattern

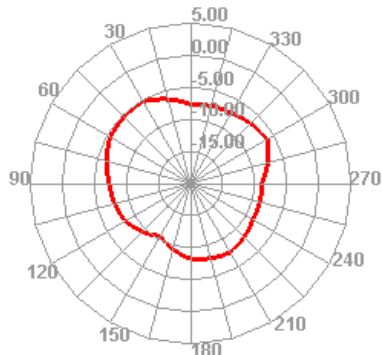
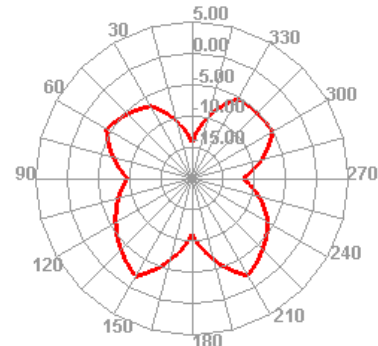
2400.000MHz H



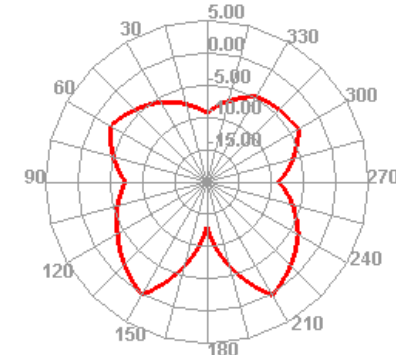
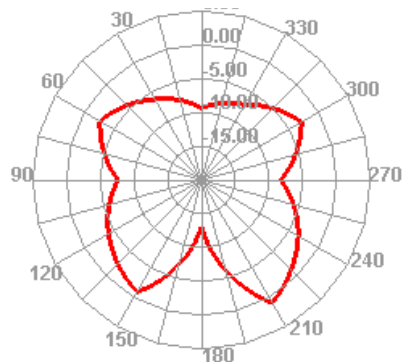
2400.000MHz E1



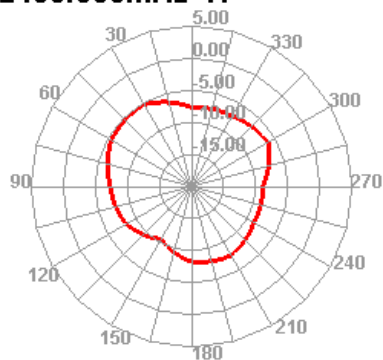
2400.000MHz E2



2



2450.000MHz H



2450.000MHz E2

