



深圳麒鑫通达科技有限公司



天线测试数据报告

Antenna test data report

客户Company: 科潮达SHENZHEN
KECHAODA TECHNOLOGY CO.,LTD
项目Item: RAYO R4

Test items and equipment

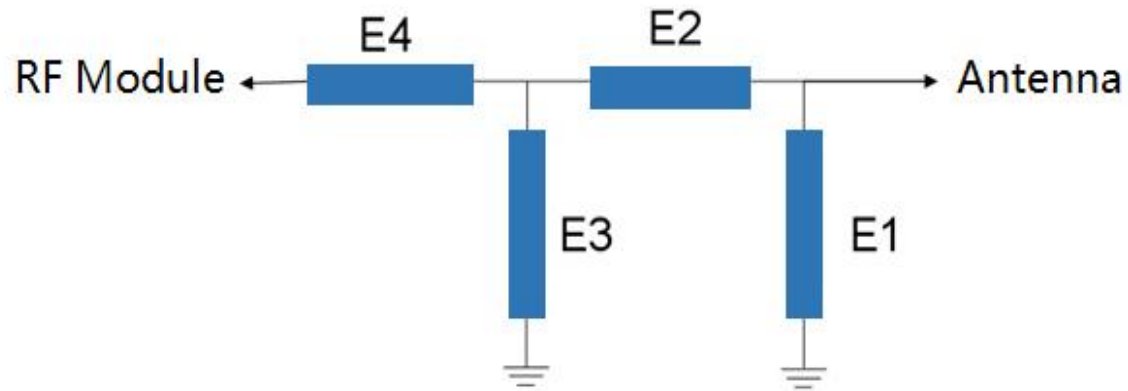
	Test items	Equipment
1. Parameter	<ol style="list-style-type: none">1. Return loss (RL)2. Standing Bobby (VSWR)	Network analyzer: Agilent 5071B
2. Coupling power test	<ol style="list-style-type: none">1. Transmit power (power)2. Receive sensitivity (level)	Comprehensive tester: CMW500/8960 Darkroom: 6*4*3 Microwave anechoic chamber



Motherboard type and whole machine



Main signal source matching circuit diagram



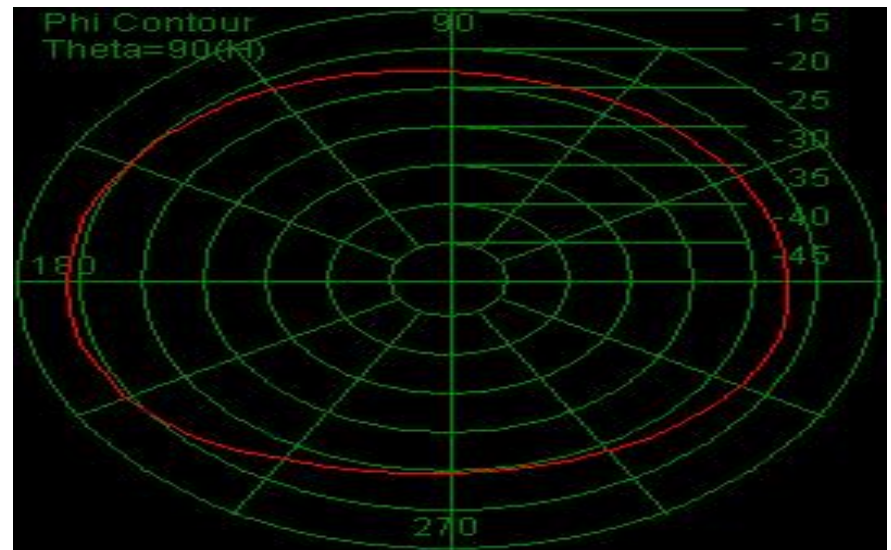
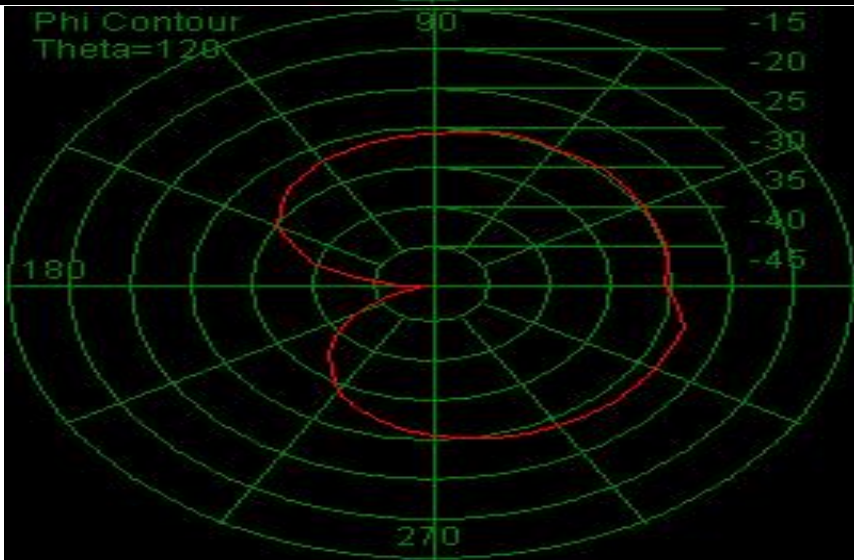
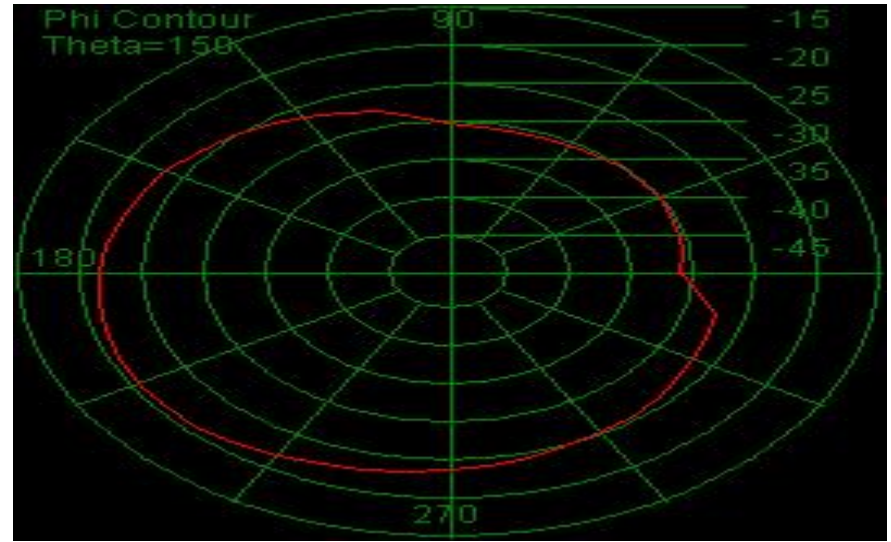
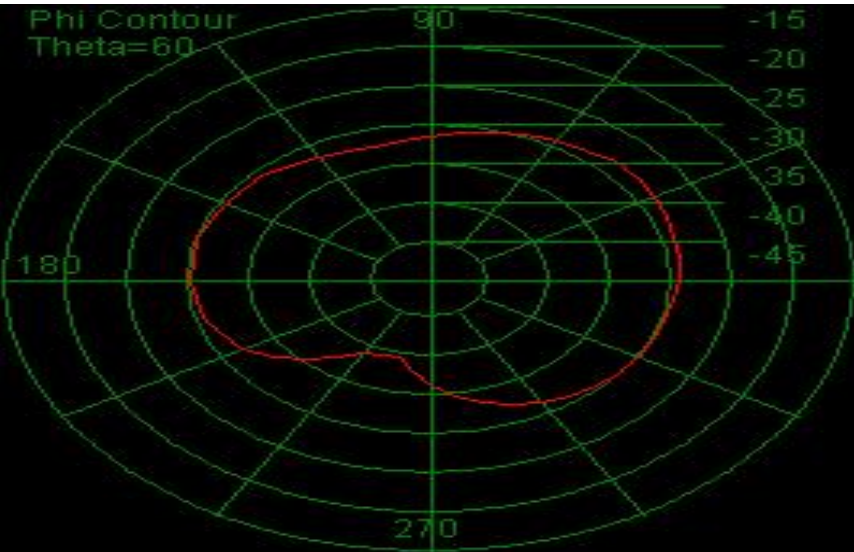
Element	Value
E1	Unchanged
E2	Unchanged
E3	Unchanged
E4	Unchanged

NO.	ITEMS	DETAILS
1	Operating band	BT
2	Frequency range	(2400~2500MHz)
3	Antenna Type	Monopole antenna
4	Antenna material and realization form	Pure copper core wire
5	Input Impedance	50 (Ω)
6	Gain	≤ 1.7 dBi

Frequency	Efficiency(%)	Gain(db)
2400MHZ	43.1	1.4
2420MHZ	43.6	1.45
2440MHZ	40.8	1.3
2460MHZ	41.9	1.5
2480MHZ	43.7	1.6
2500MHZ	45.2	1.7

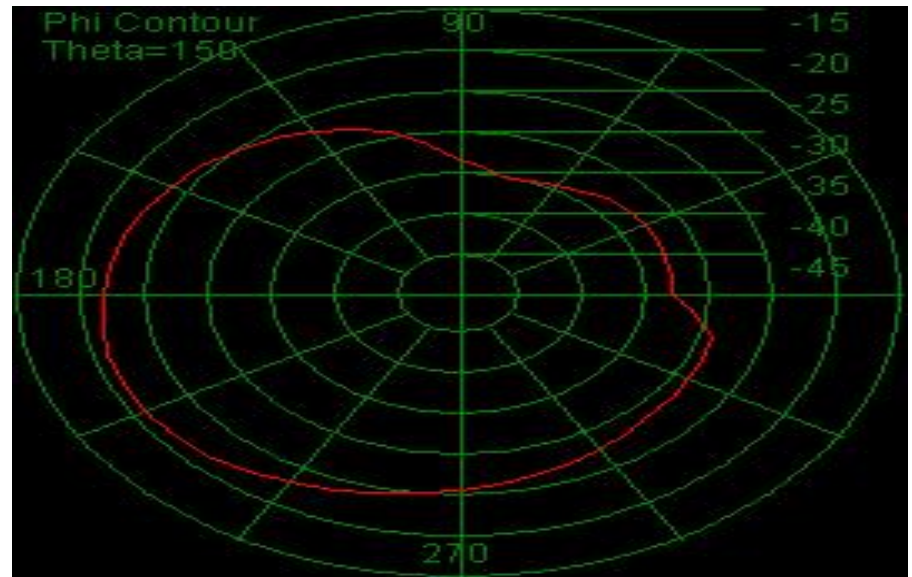
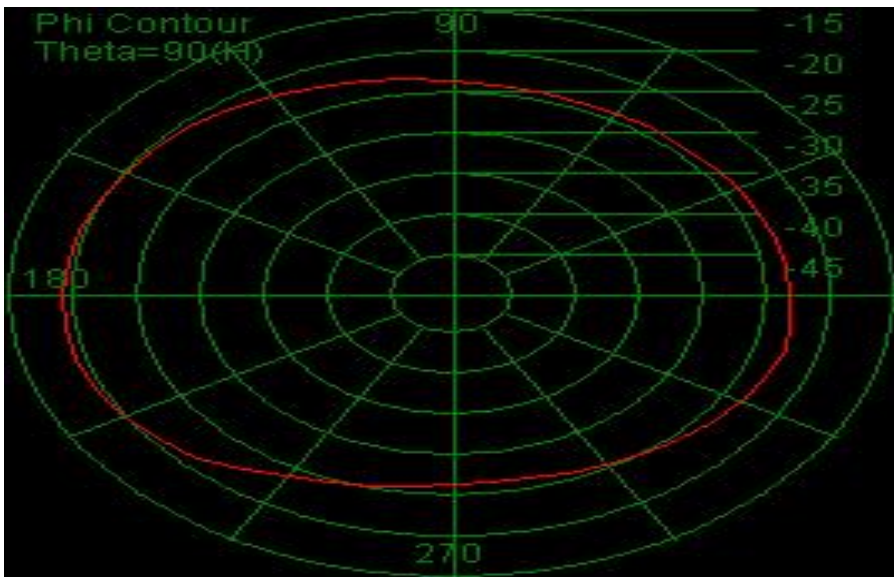
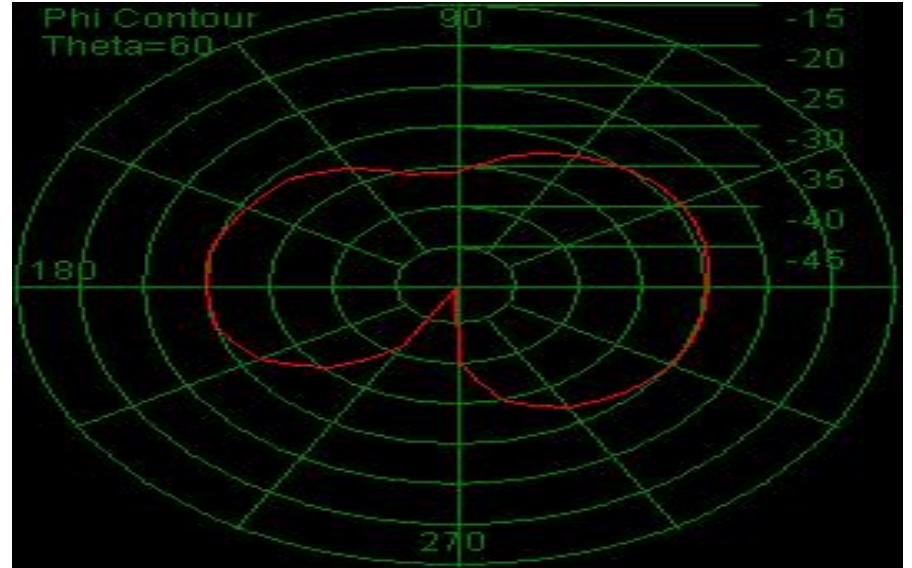
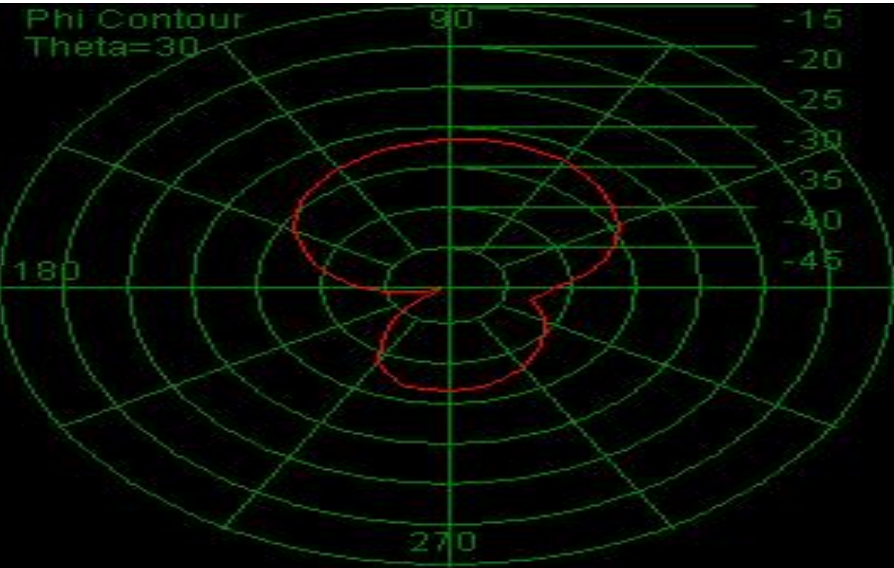
Bluetooth parameters

2400mhz



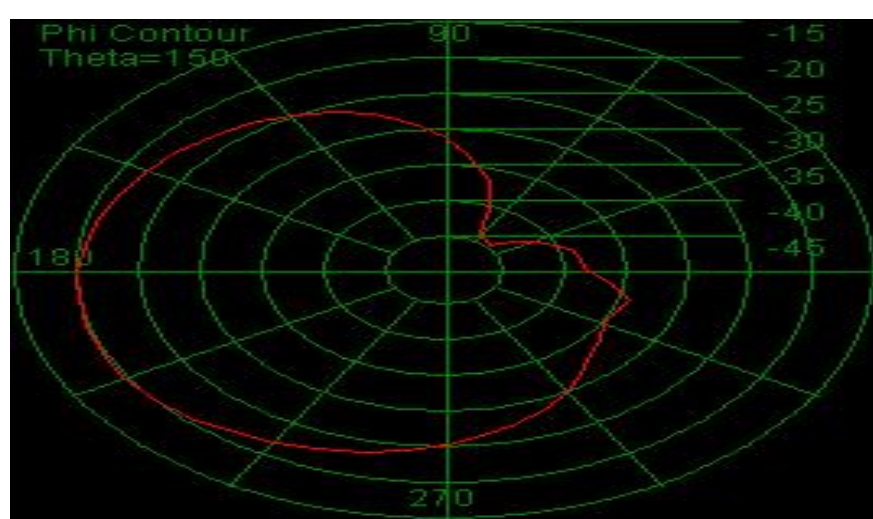
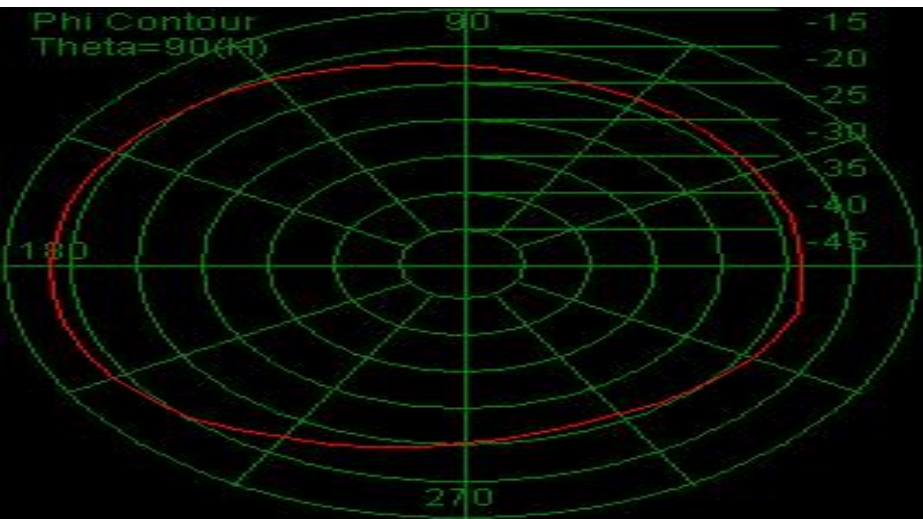
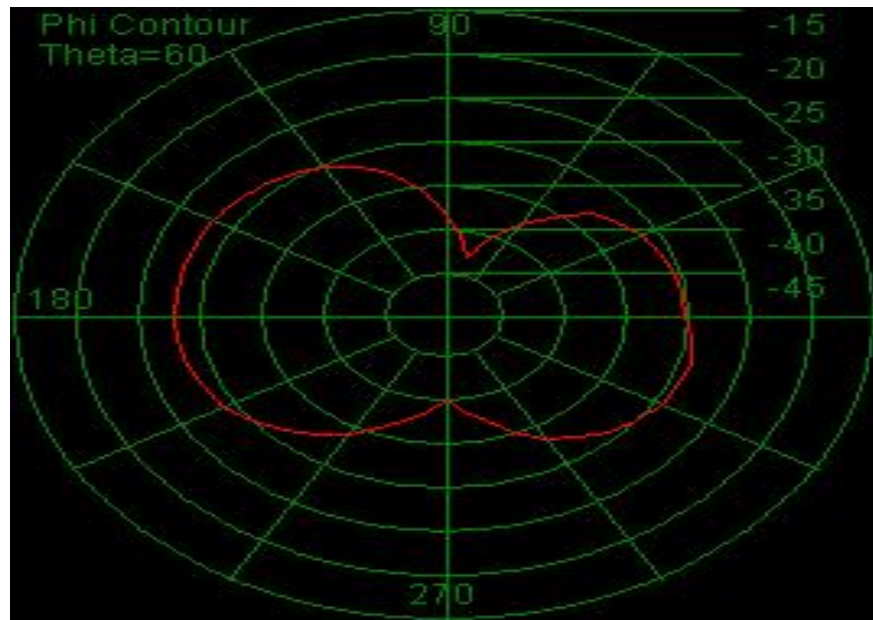
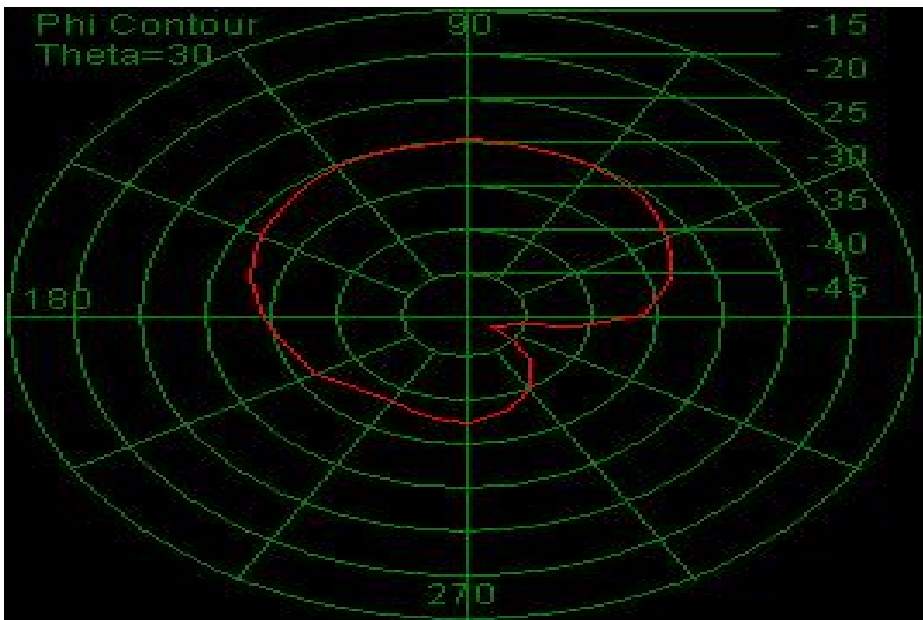
Bluetooth parameters

2420mhz



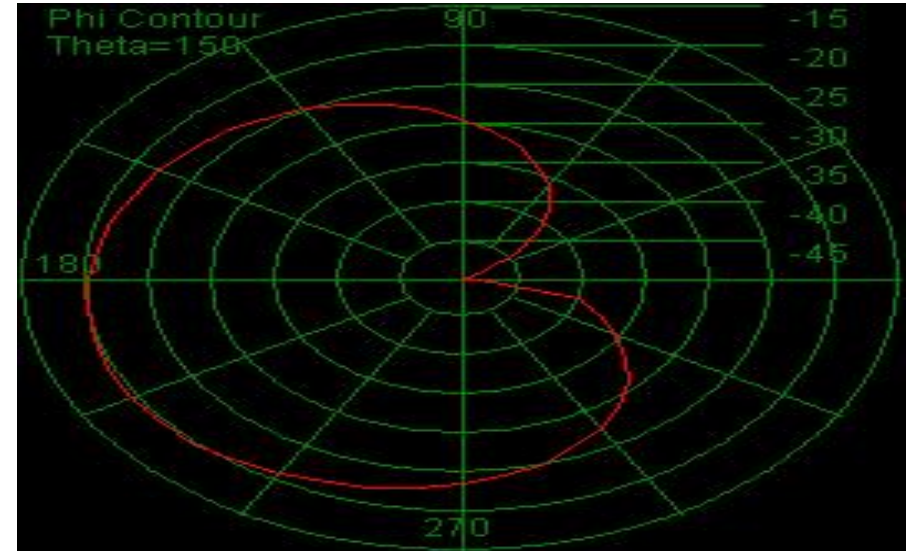
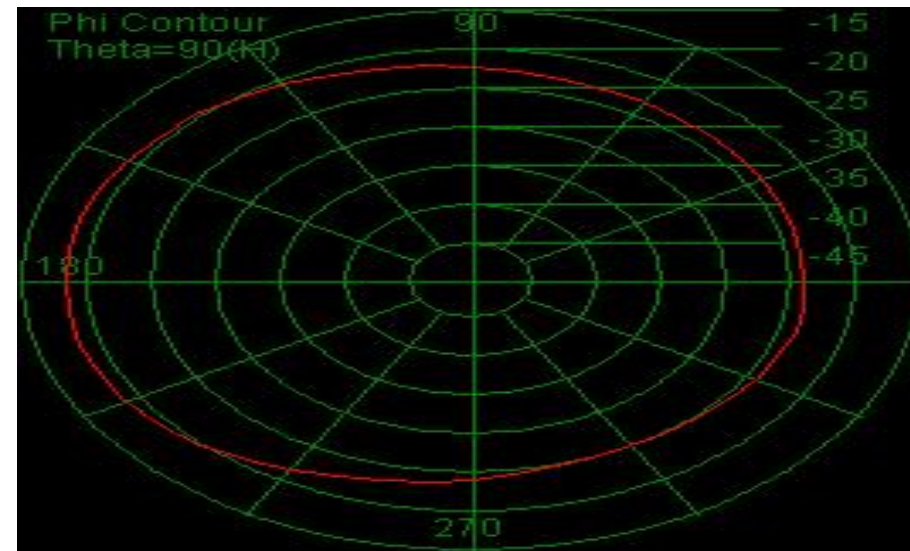
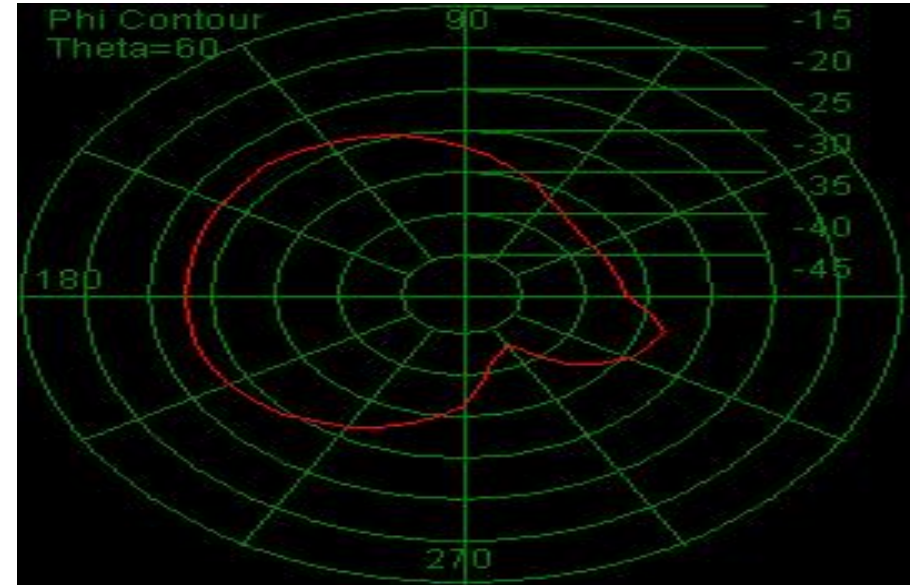
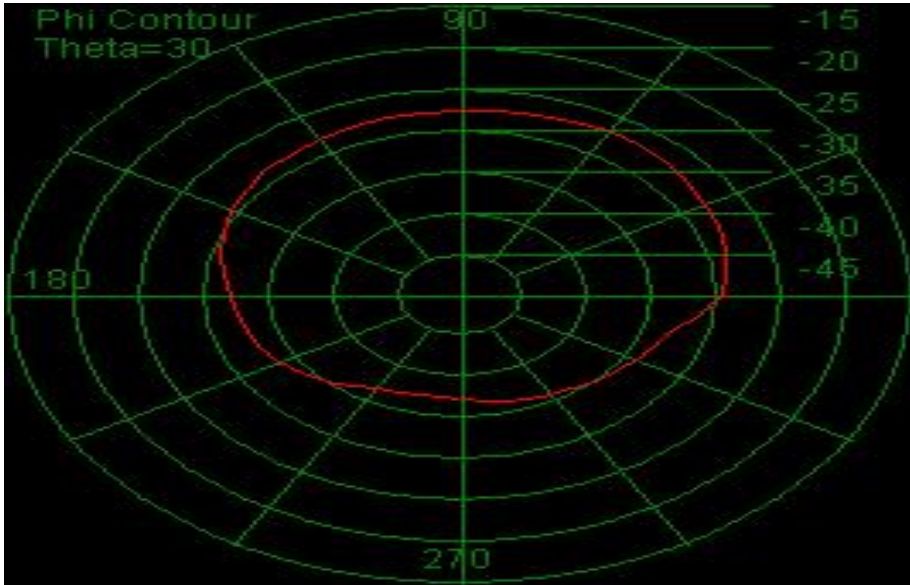
蓝牙参数

2440mhz



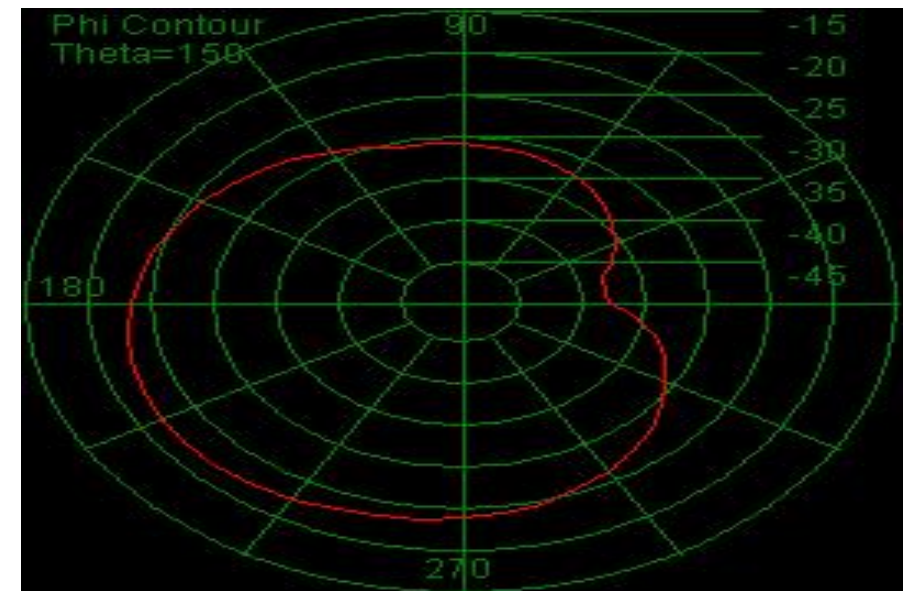
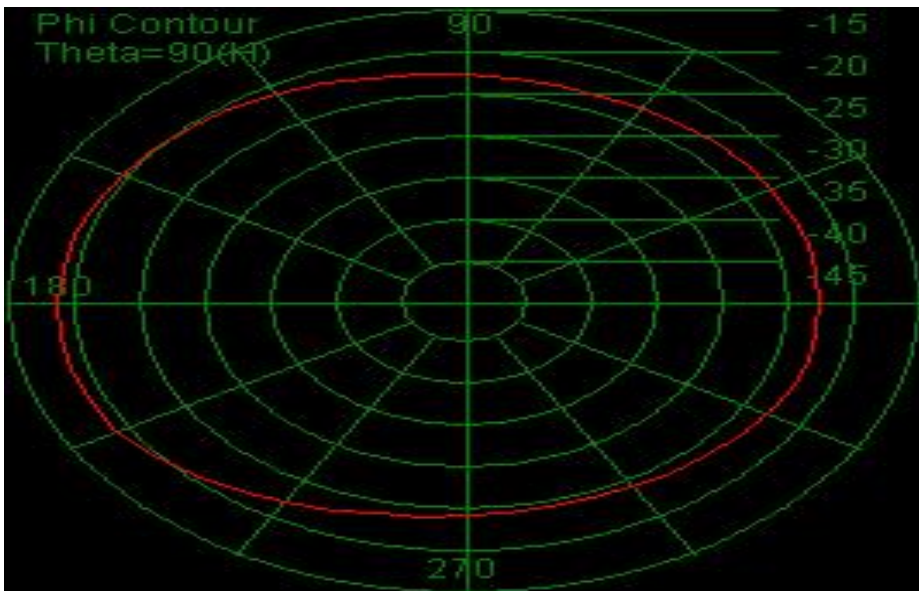
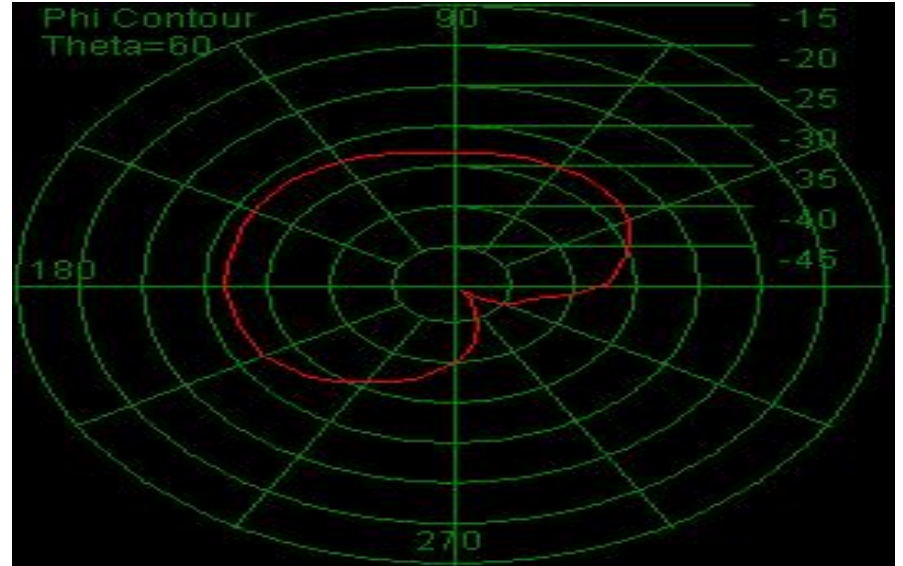
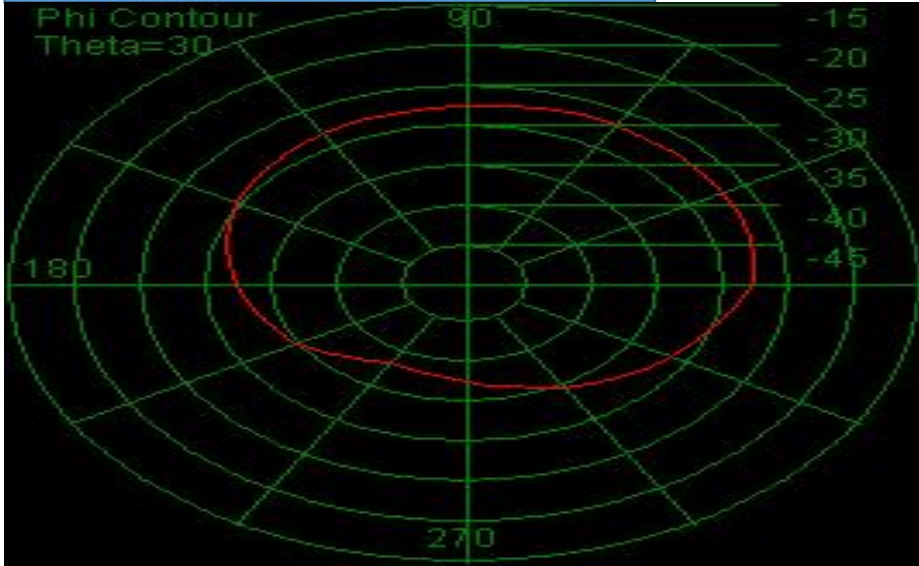
Bluetooth parameters

2460mhz



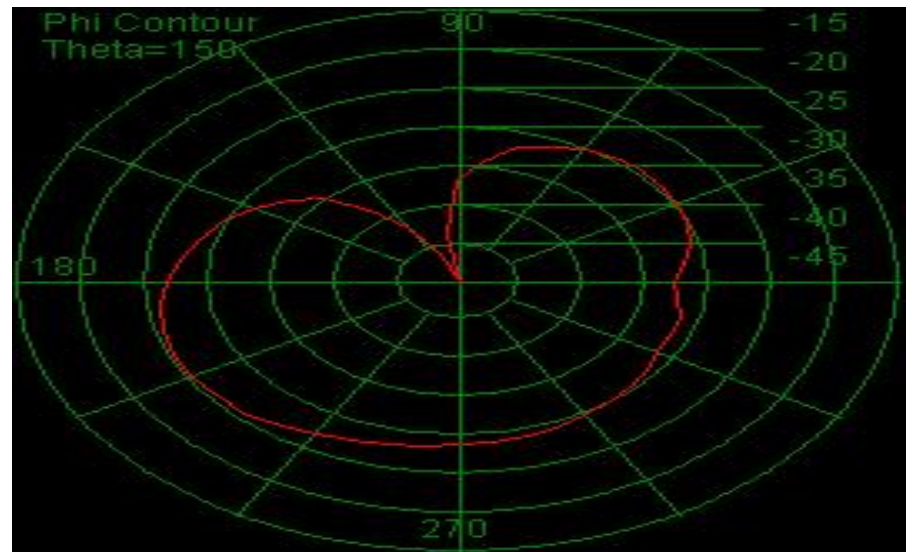
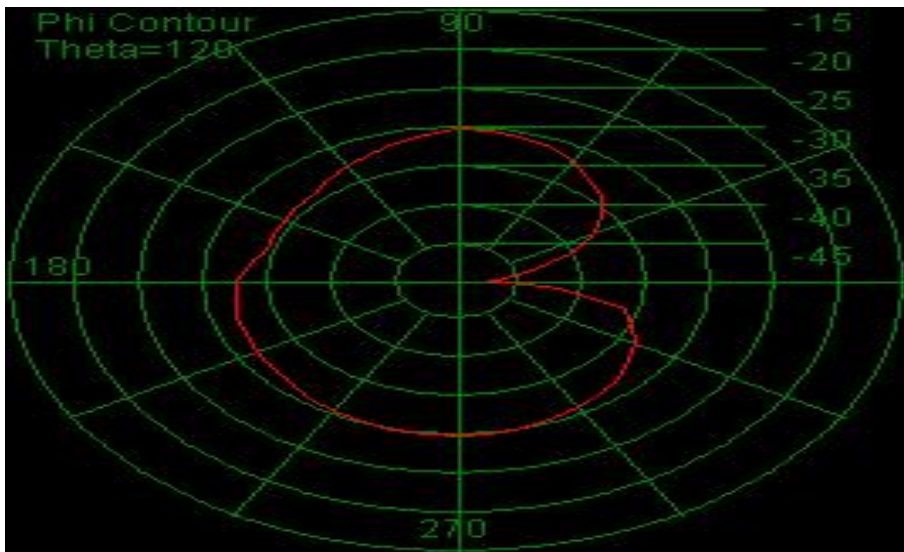
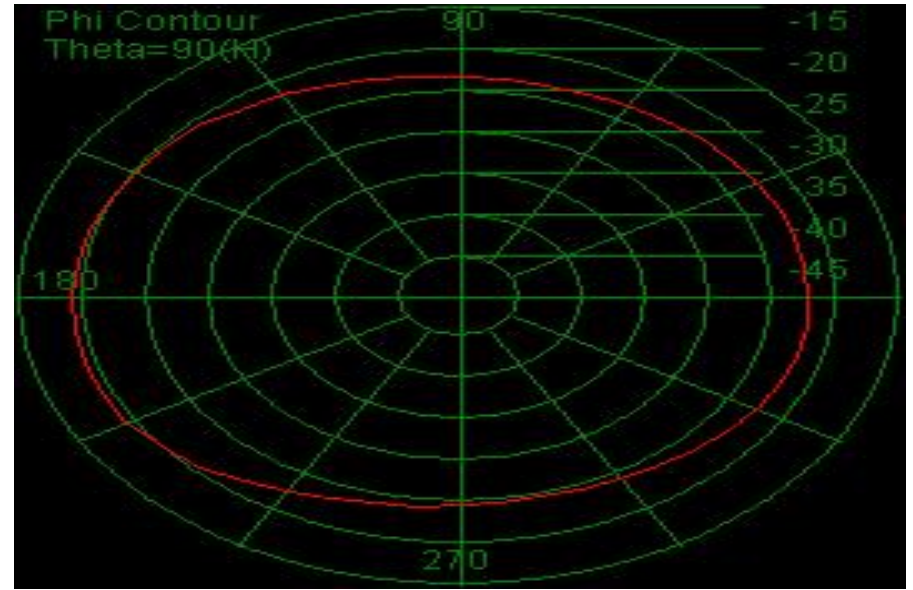
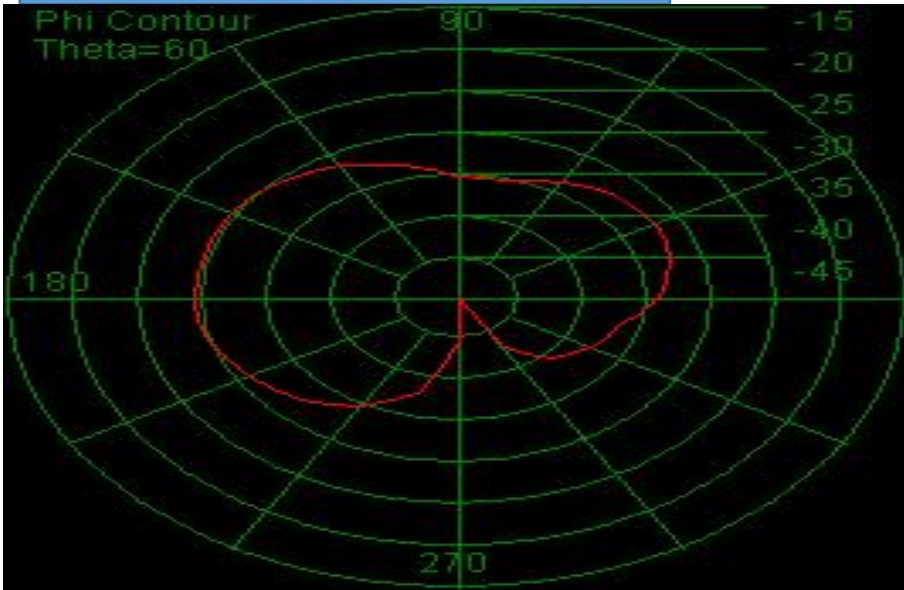
Bluetooth parameters

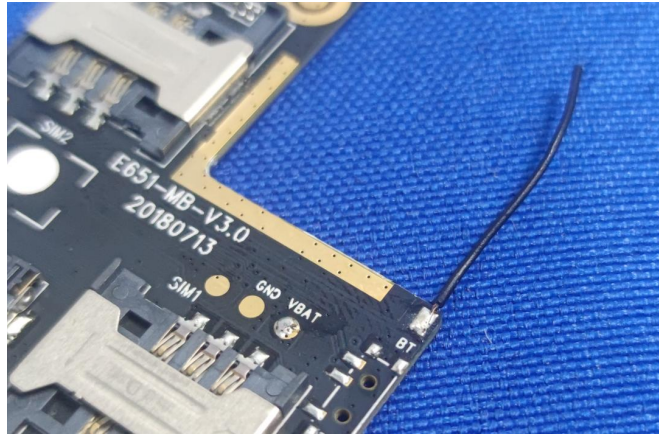
2480mhz



Bluetooth parameters

2500mhz





Attach conductive cloth as shown to extend the motherboard floor.