

DONGGUAN SHI CHUANGCHENG DIANZI CO., LTD

Antenna Specification

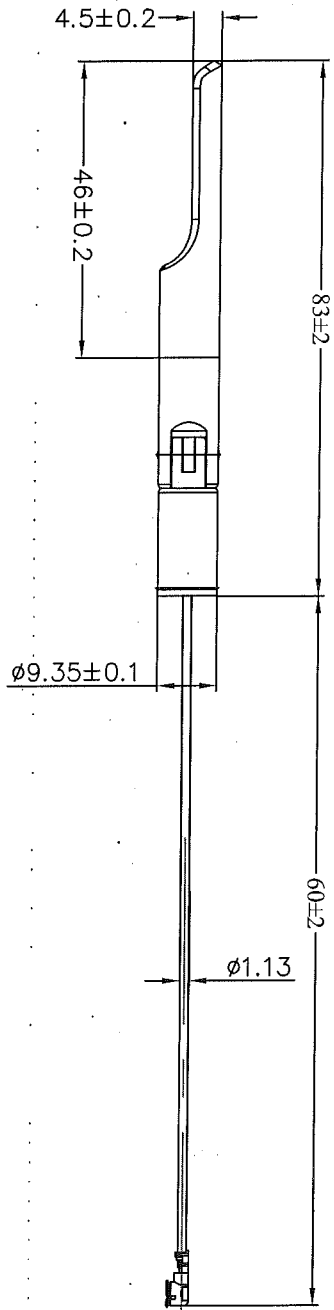
CUSTOMER : DONGGUAN PROTRONIC ELECTRONICS LTD.

PART NO: 25720000015AI

PART NAME: 2.4GHz 3DBI Embedded Antenna

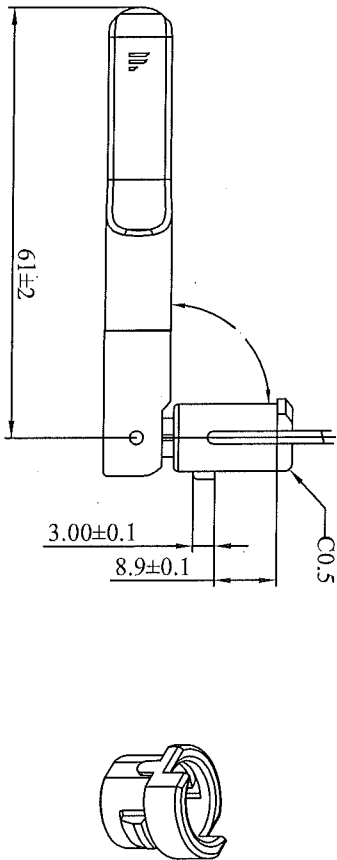
SPEC: 3DBI 2. 4-2. 5GHz Embedded antenna

APPROVE:



NOTES:

1. Electrical:
 - 1.1 Impedance: 50 OHM.
 - 1.2 FREQUENCY RANGE: 2.4~2.5GHz
 - 1.3 VSWR: ≤ 2.0
 - 1.4 Peak Gain: 3dBi
 - 1.5 Polarization: Vertical
 - 1.6 Radiation Patten: Omni-directional
2. Enviromental:
 - 2.1 Storage Temperature Range: $-40^{\circ}\text{TO} +85^{\circ}\text{C}$
 - 2.2 Operating Temperature Range: $-40^{\circ}\text{TO} +85^{\circ}\text{C}$
3. All material must meet RoHS Request.



LENGTH	ANTENNA LENGTH 83 ± 2 mm		UNIT	m/m	APPROVE	CHECK	DRAWN	东莞市创诚电子有限公司	
TITLE	2.4GHz ANTENNA WITH CABLE FOR RG113 黑色 $L=60$ mm		MODEL NO.					CUSTOMER	
ORD. NO.			SCALE	FREE	SHEET : 1 OF 1			东莞市保力电子有限公司	
BOM NO.			DWGNO.	D:\ERP\001792					
CUSTOMER PART NO.	25720000015A1								

东莞市创诚电子有限公司

DONGGUAN SHI CHUANGCHENG DIANZI Ltd.co

产品主要参数

规格表

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2.4GHz-2.5GHz	Frequency Range(MHZ)	2.4GHz-2.5GHz
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	3DBI	Peak Gain(dBi)	3DBI
输出电压驻波比	≤ 1.8	VSWR	≤ 1.8
最大功率	50W	Admitted Power	50W
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	I-PEX	Connector Type	I-PEX
物理性能		Physical Properties	
天线结构	Dipole	Antenna structure	Dipole
工作温度	-40℃~+60℃	Operating Temp	-40℃~+60℃
保存温度	-40℃~+60℃	Storage Temp	-40℃~+60℃

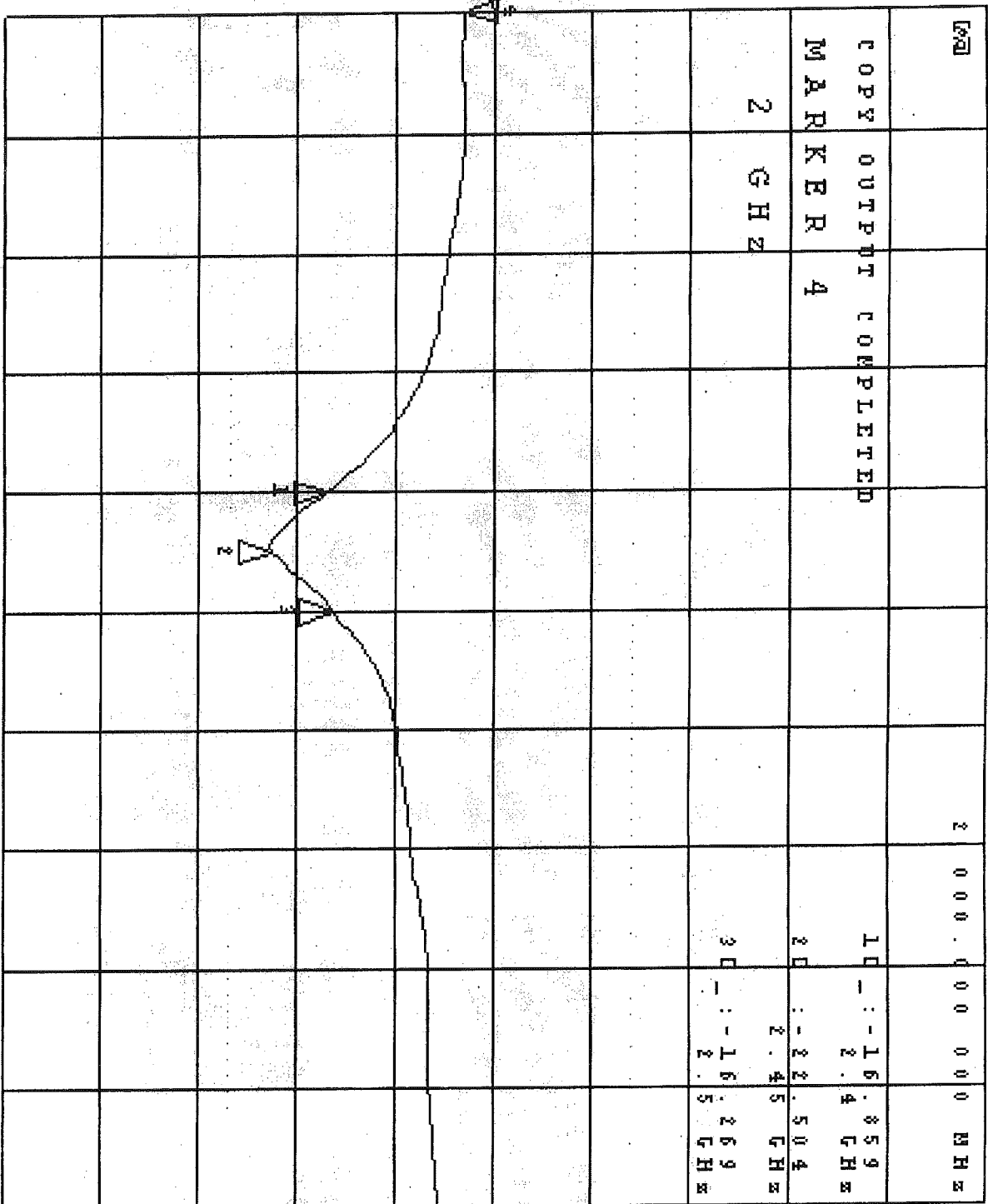
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404

五

GIN

1	-	-16	4	559	3B
2	-	-22	5	644	3B
3	-	-16	5	669	3B
4	-	-22	5	644	3B



STABT 2 000.000 000 MHS

STOP 3 0000.0000 0000 MHz

CH1 31.1

30R

1

REF 1

25 Nov 2013 10:52:14

40 - : 5.8665

PRM

FOR

LOG

MARKER

4

2 GHz

2 000.000 000 MHz

10 - : 1.342

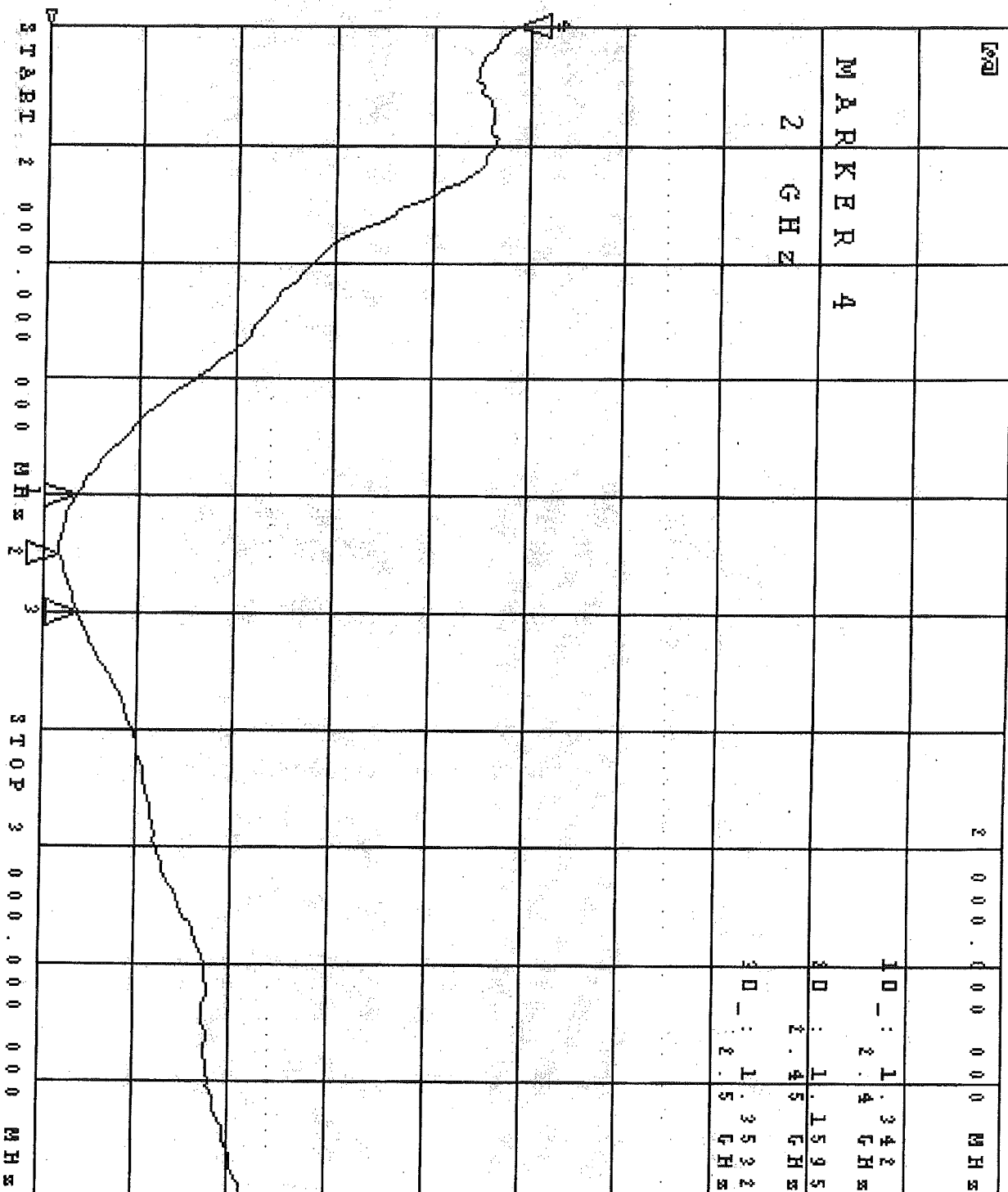
2 - : 2.4 GHz

30 - : 1.1595

2 - : 2.45 GHz

30 - : 1.3522

2 - : 2.5 GHz



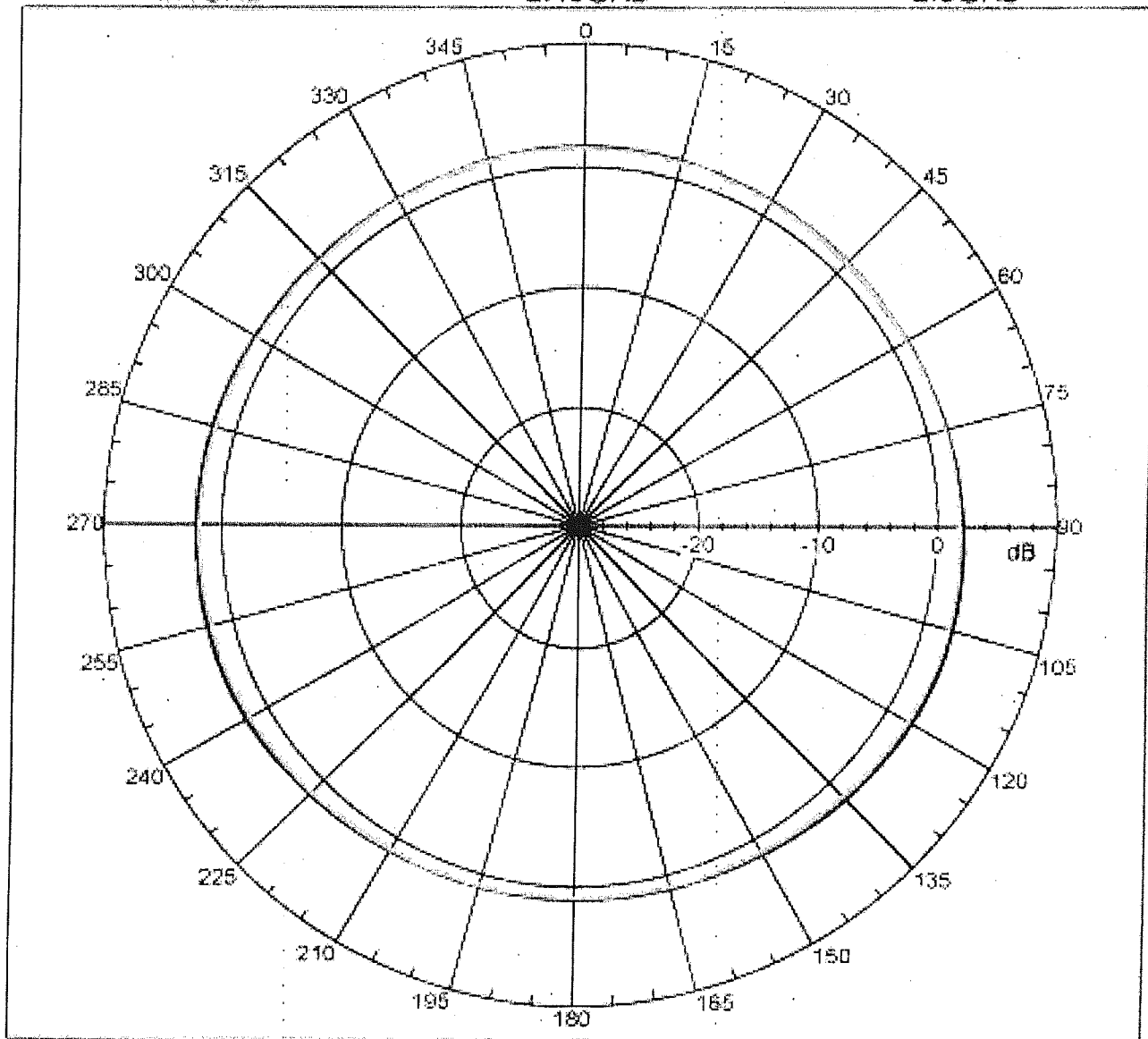
RF Antenna Assembly
SPEC:2.4~2.5GHz

H Plane

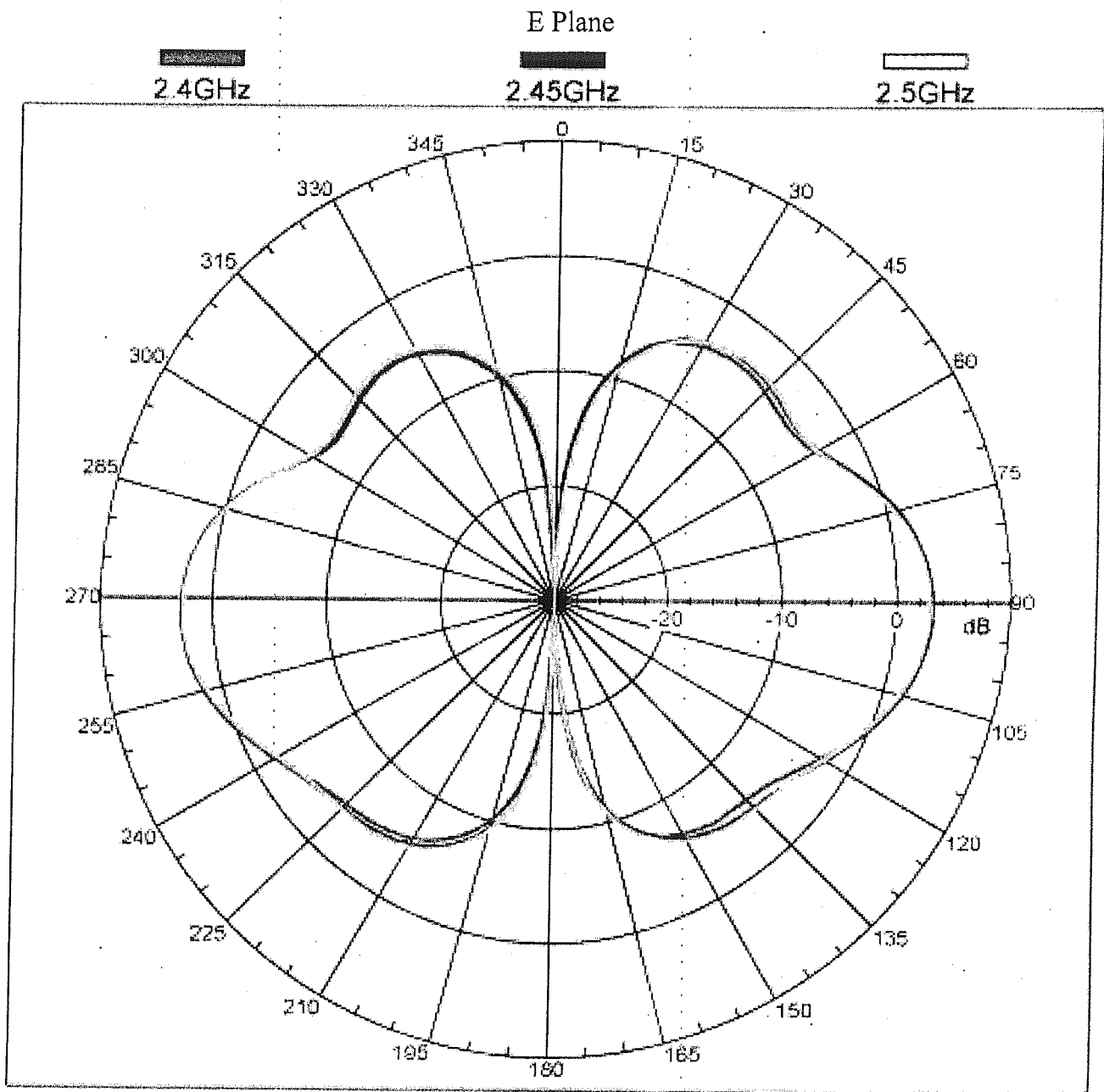
2.4GHz

2.45GHz

2.5GHz



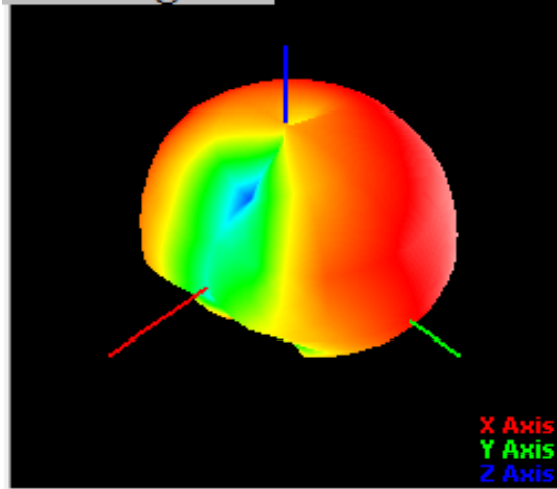
RF Antenna Assembly
SPEC:2.4~2.5GHz



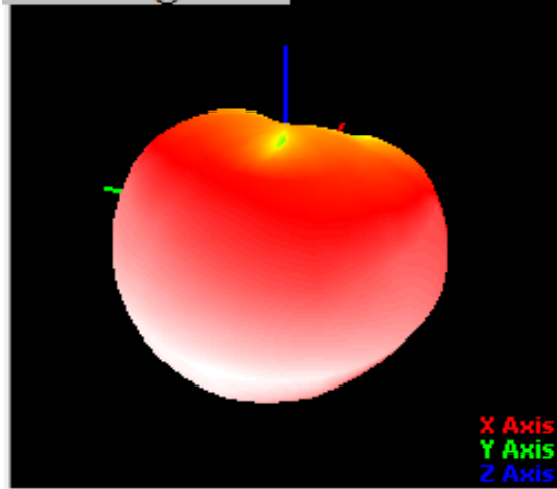


2.87
1.49
0.12
-1.25
-2.63
-4
-5.37
-6.75
-8.12
-9.49
-10.87
-12.24
-13.61
-14.99
-16.36
-17.74
-19.11
-20.48

2400.00MHz@T45P45

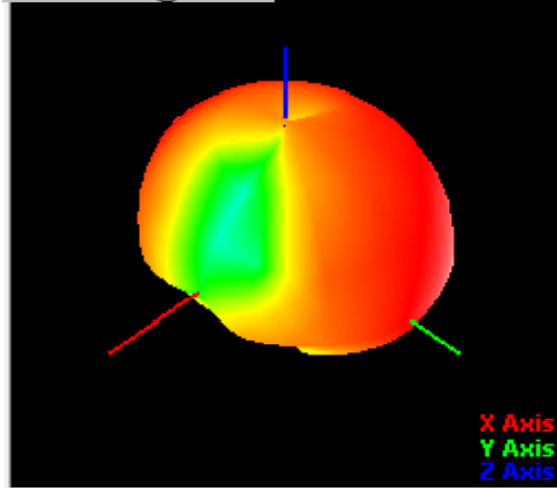


2400.00MHz@T45P200

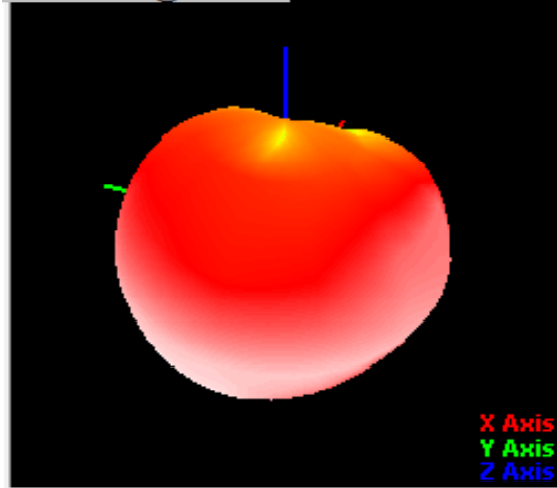


2.73
1.32
-0.1
-1.51
-2.92
-4.34
-5.75
-7.16
-8.58
-9.99
-11.4
-12.81
-14.23
-15.64
-17.05
-18.47
-19.88
-21.29

2450.00MHz@T45P45

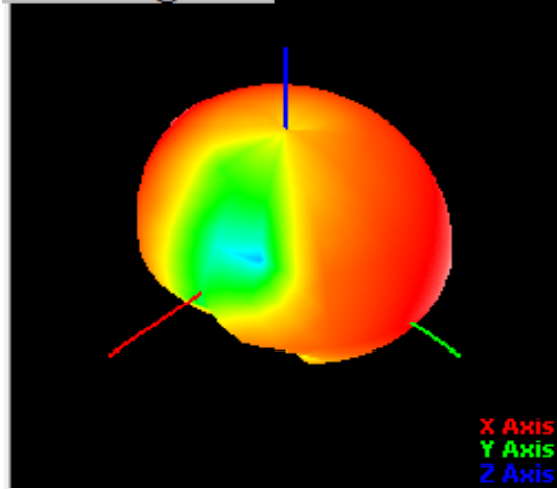


2450.00MHz@T45P200



2.46
1.1
-0.25
-1.61
-2.96
-4.32
-5.68
-7.03
-8.39
-9.75
-11.1
-12.46
-13.82
-15.17
-16.53
-17.89
-19.24
-20.6

2500.00MHz@T45P45



2500.00MHz@T45P200

