

APPROVAL SHEET

承认书

CUSTOMER 客户： 安帝爱（深圳）科技有限公司

DESCRIPTION 产品 2.4G Double copper tube antenna

PART NUMBER 规格： 3dBi IPEX Length=200MM

calibration	audit	make
shiqnghua	liangzhuning	dengjie

RF Antenna Assembly

Specification

1. Electrical Properties :

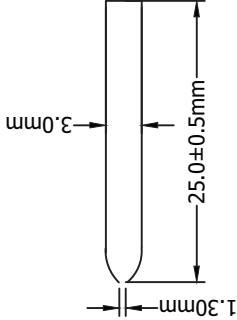
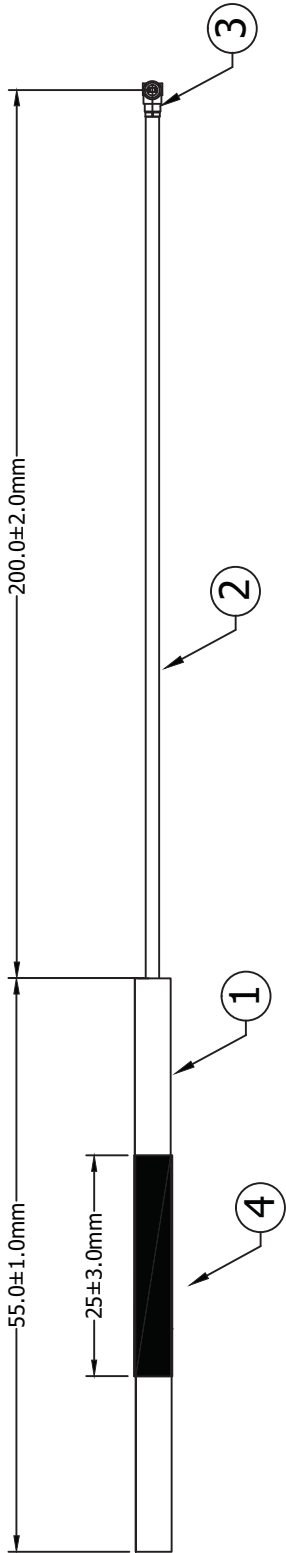
- 1.1 Frequency Range..... 2.4GHz ~ 2.5GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.93 : 1 Max.
- 1.4 Return Loss..... -10 dB Max.
- 1.5 Radiation Omni-directional
- 1.6 Gain(peak)..... 3.0 dBi
- 1.7 Cable Loss..... 1.0dB Max.
- 1.8 Polarization..... Linear, Vertical
- 1.9 Admitted Power..... 1W
- 1.10 Cable..... Black Coaxial Cable

2. Physical Properties :

- 2.3 Tube..... Brass, Ni Plated
- 2.4 Operating Temp. -10°C ~ +60°C
- 2.5 Storage Temp. -10°C ~ +70°C
- 2.6 Color Black

DRAWING

REV.	DESCRIPTION	DATE
A	INITIAL DESIGN	2021.11.08

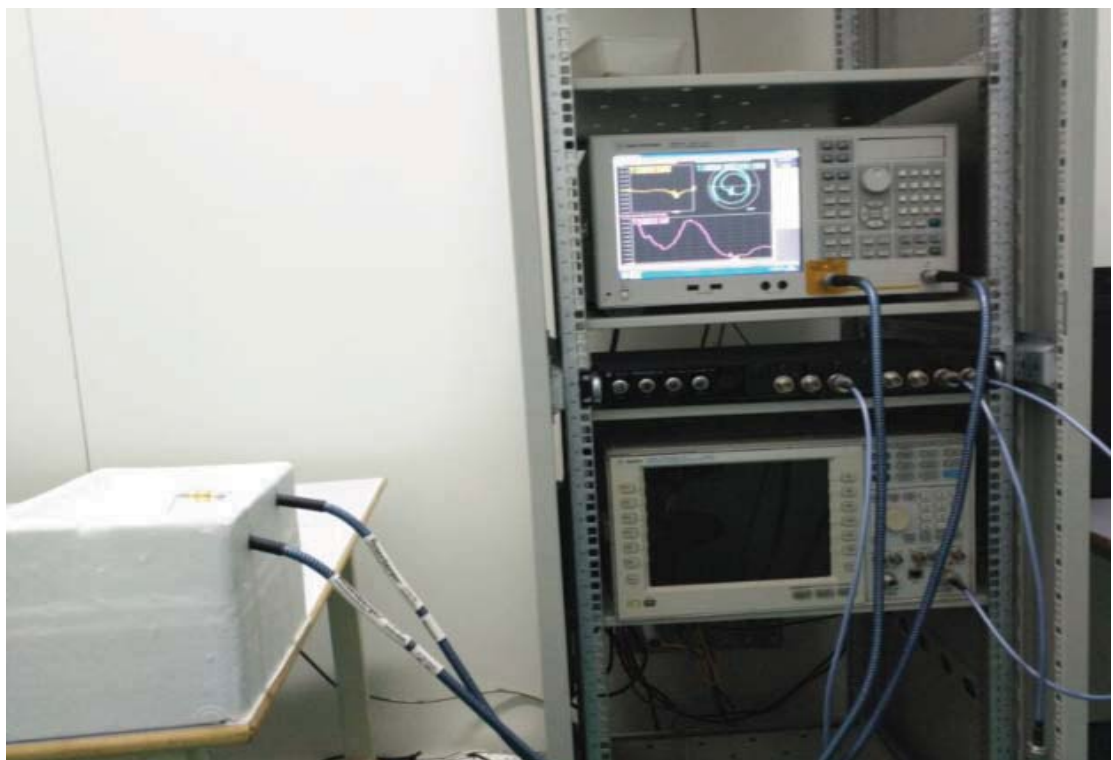


- Specification:
- 1.Frequency Rang:2.4GHz~2.5GHz
 - 2.Return Loss:-10dB or less
 - 3.VSWR:1.92 Max
 - 4.Gain:2.0 dBi

BILL OF MATERIALS		
ITEM	Q'TY	DESCRIPTION
1	2	2.4G 2DBI天线铜管（无底塞）;Φ3.0*25.0*1.3孔
2	1	SHEN YU OD1.13mm Black Coaxial Cable
3	1	I-PEX 20278-112R-13 Plug or Equivalent
4	1	HEAT SHRINK TUBING Ø3.0MM*25MM

TITLE:		Antenna Assembly				深圳市科创电子材料有限公司			
P/N:		30-01062-08				Shenzhen Katron MaterialsCo., LTD			
CUSTOMER:		03-06-02-104LF							
DRAW NO.:		20211108001						APPROVED	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED									
一般公差 TOLERANCE		XXX		±0.1	XX	±5	SHEET: 1/1		SCALE: NONE
		XX		±0.5	XX				
		X		±1.0				UNIT: mm	REV.B
		X		±3.0	X				
								CHECKED	DENG HF
								DRAWED	Deng jie

深圳市科创电子材料有限公司
Shenzhen Kotron MaterialsCo., LTD





1. 2400 MHz

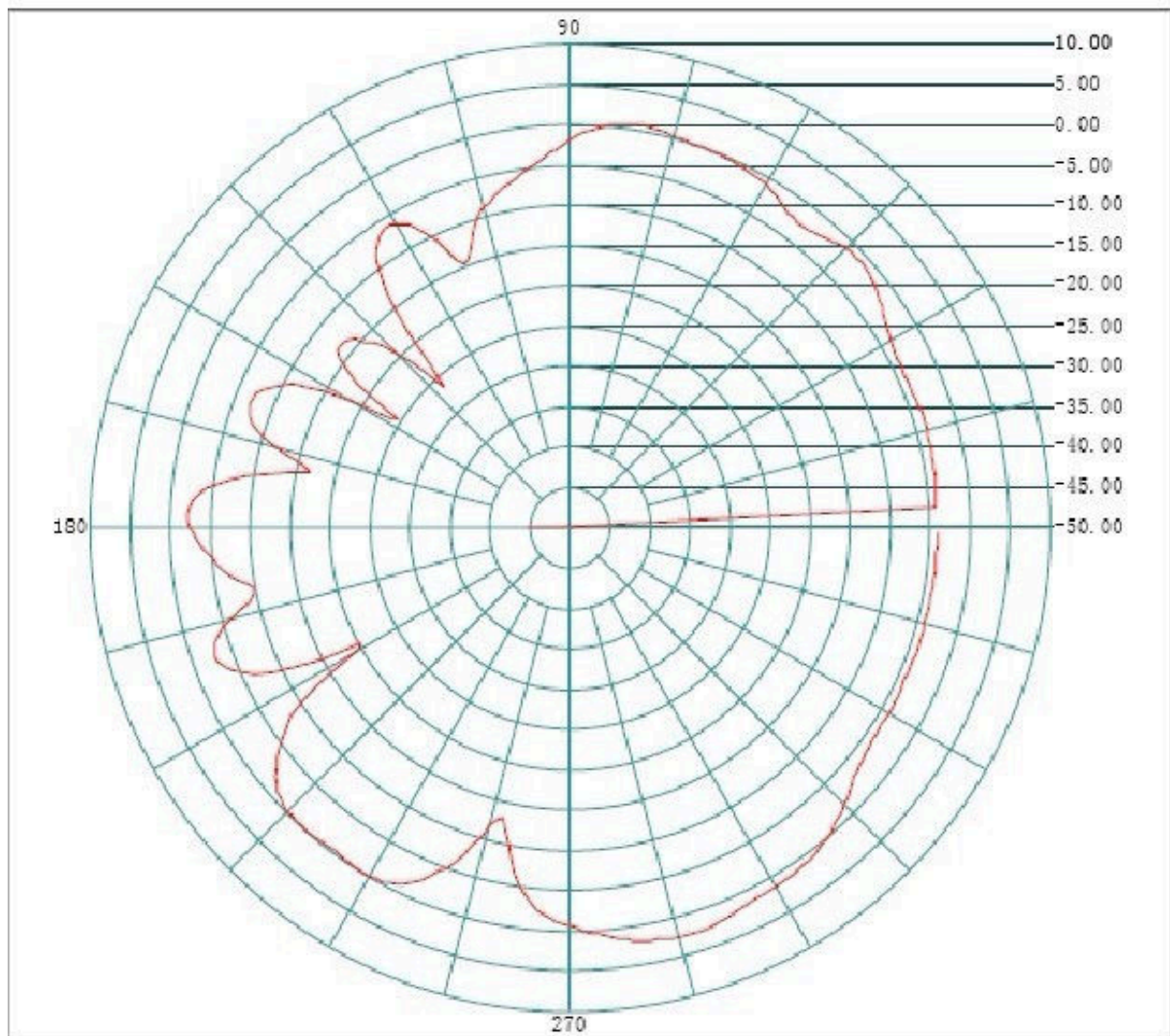
1.1 Horizontal

Frequency(MHZ): 2400

Antenna Polarity: Horizontal

Maximum Value(dBi): 3.00

Average Gain(dBi) : -2.41

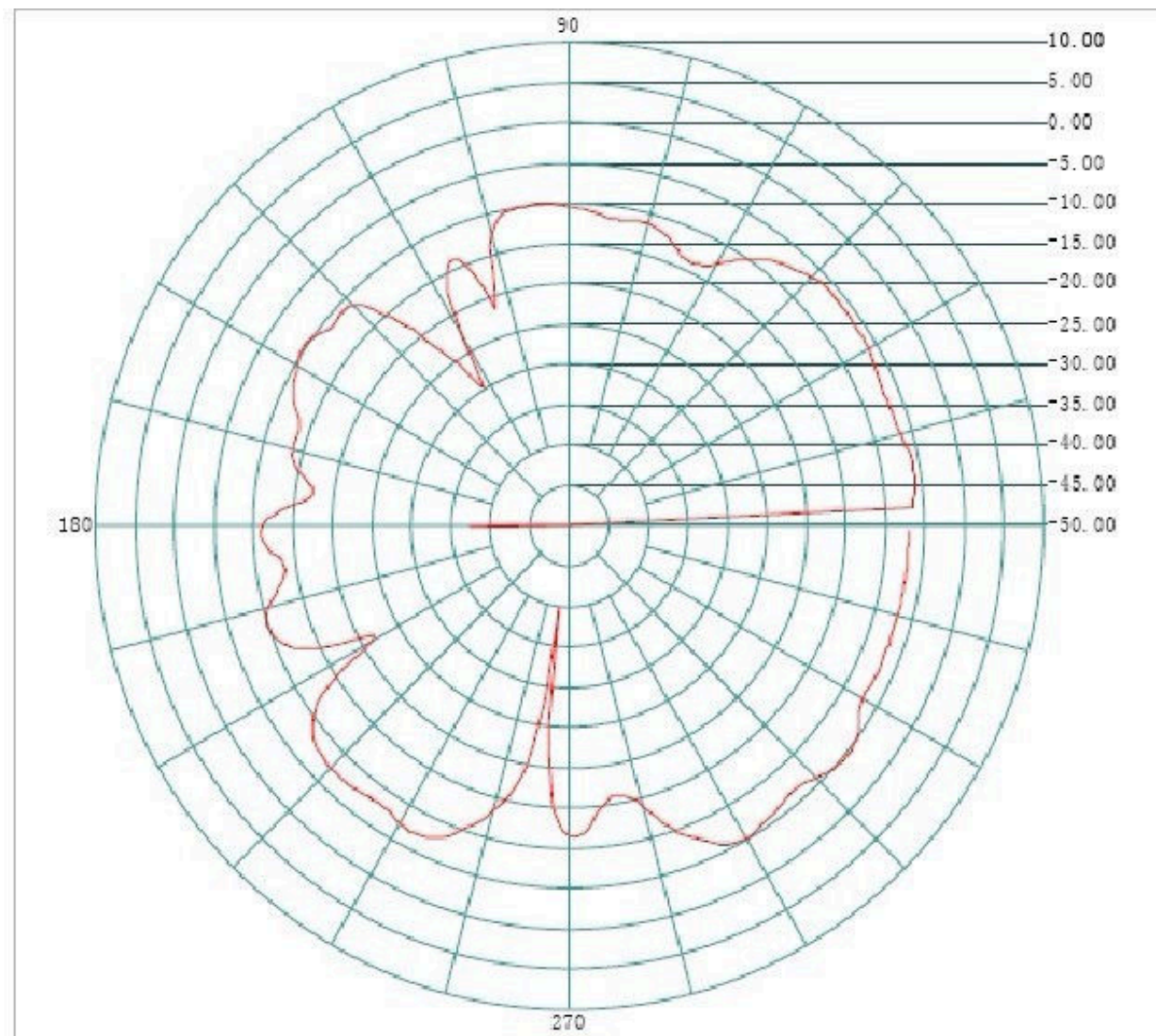


1.2 Vertical

Frequency(MHZ): 2400 Antenna Polarity: Vertical

Maximum Value(dBi): -4.38

Average Gain(dBi) : -8.91



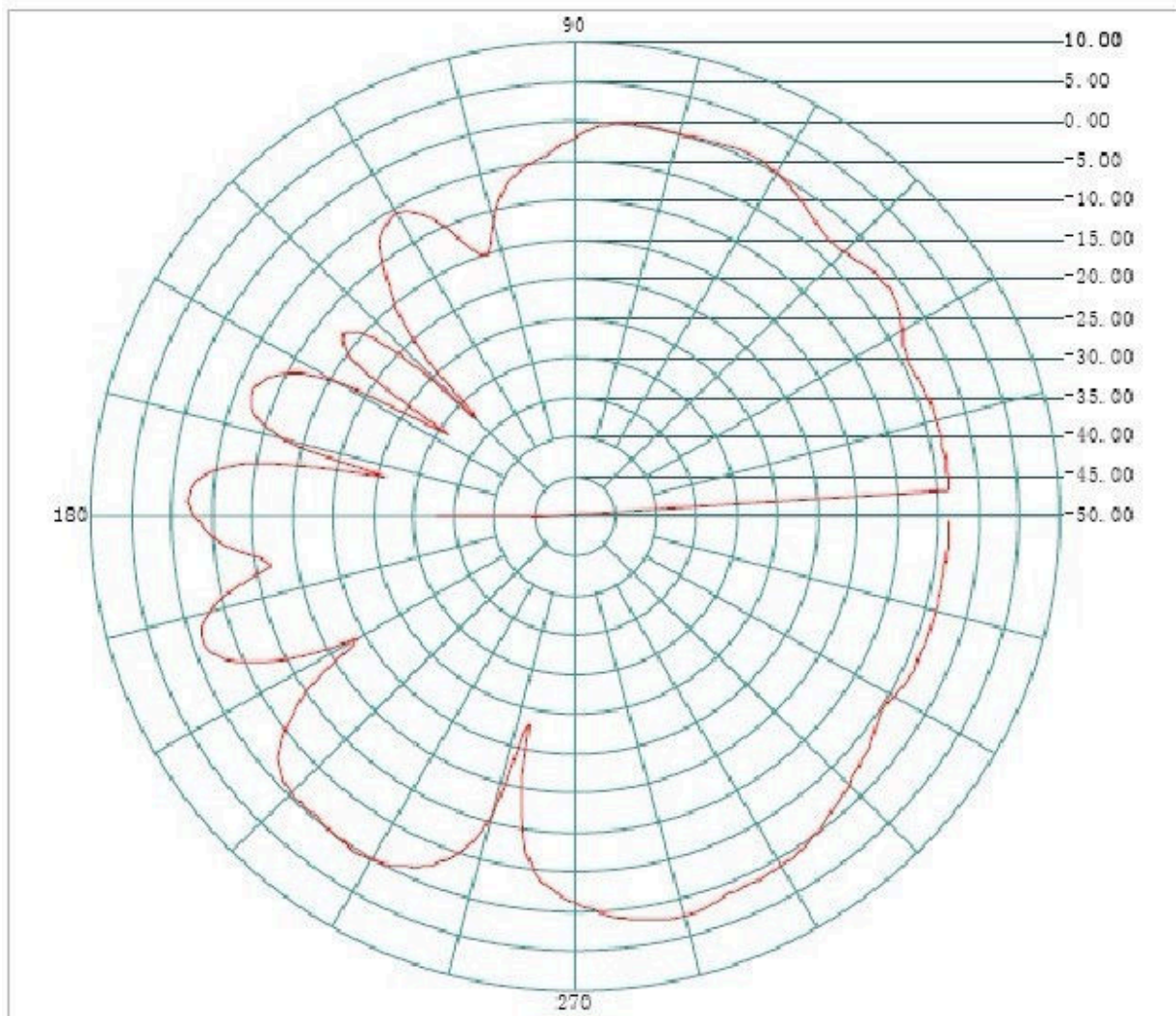
2. 2440 MHz

2.1 Horizontal

Frequency(MHZ): 2440 Antenna Polarity: Horizontal

Maximum Value(dBi): 2.98

Average Gain(dBi) : -2.56

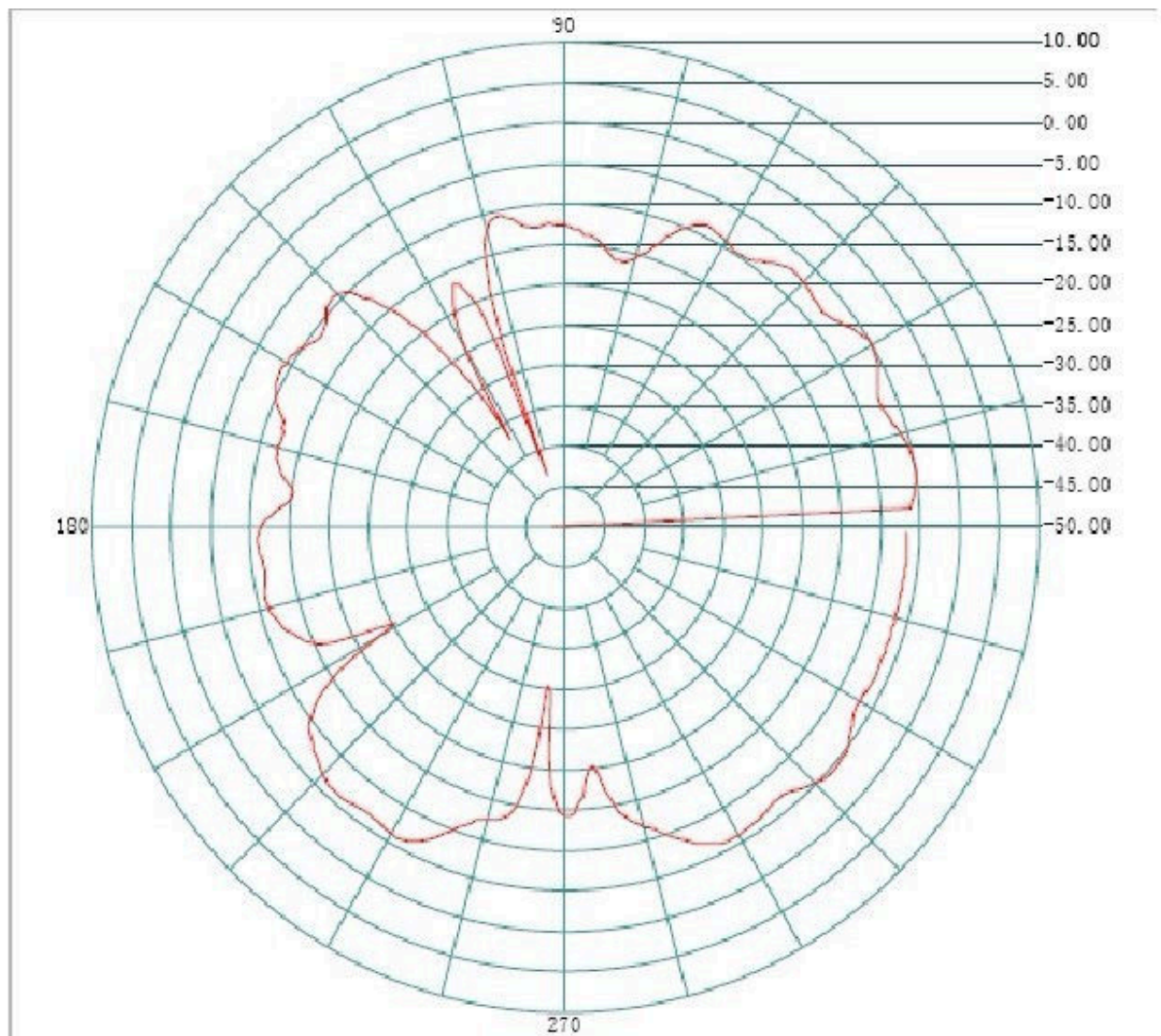


2.2 Vertical

Frequency(MHZ): 2440 Antenna Polarity: Vertical

Maximum Value(dBi) -4.28

Average Gain(dBi) : -8.83



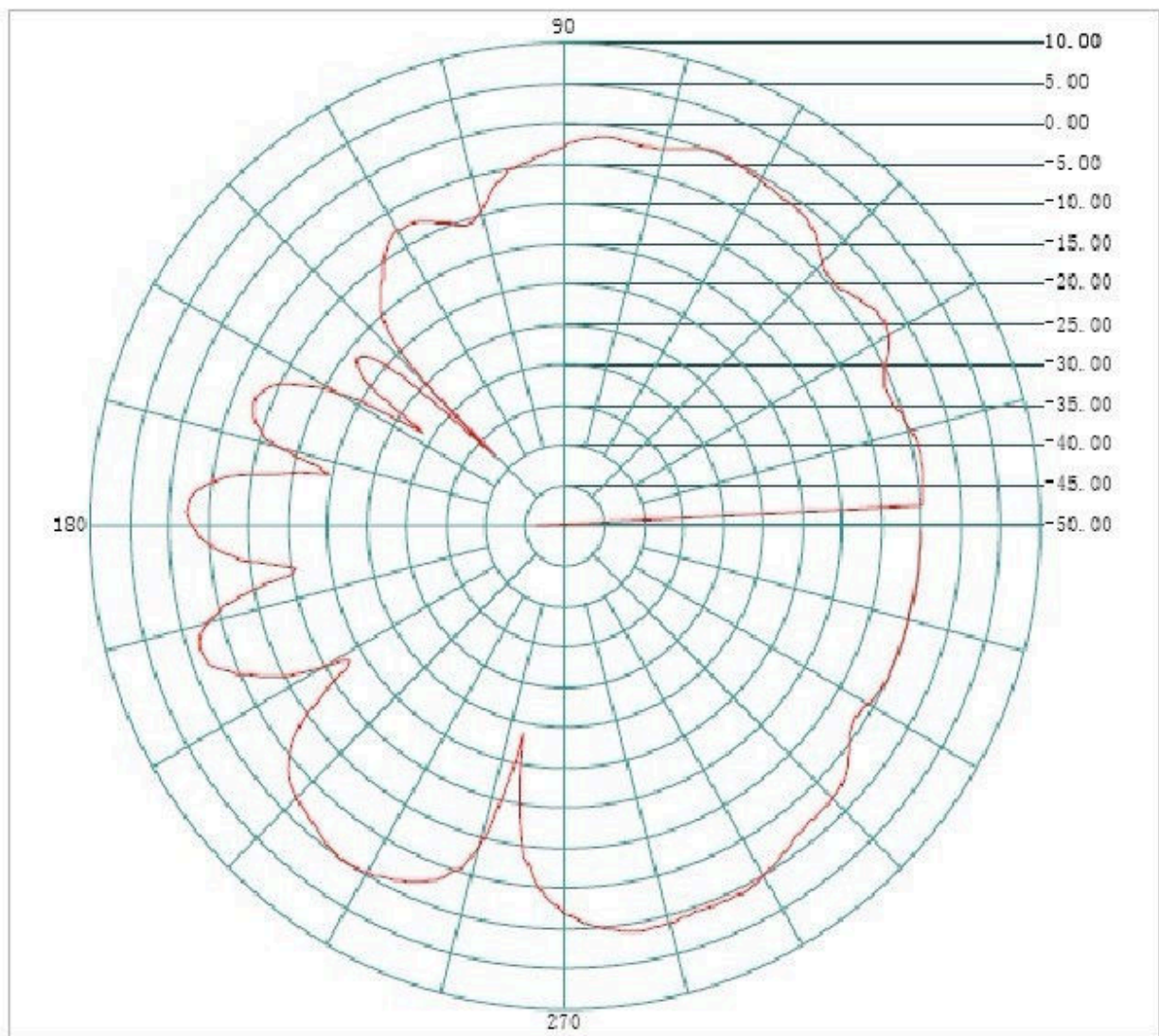
3. 2480 MHz

3.1 Horizontal

Frequency(MHZ): 2480 Antenna Polarity: Horizontal

Maximum Value(dBi): 1.47

Average Gain(dBi) : -3.34



3.2 Vertical

Frequency(MHZ): 2480

Antenna Polarity: Vertical

Maximum Value(dBi):

-4.93

Average Gain(dBi) :

-9.05

