

# DF03-004 Antenna Datasheet

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## Revision history

Version	Change notes	Modifier	Date
V1.0		Josh.hu	2023.9.25

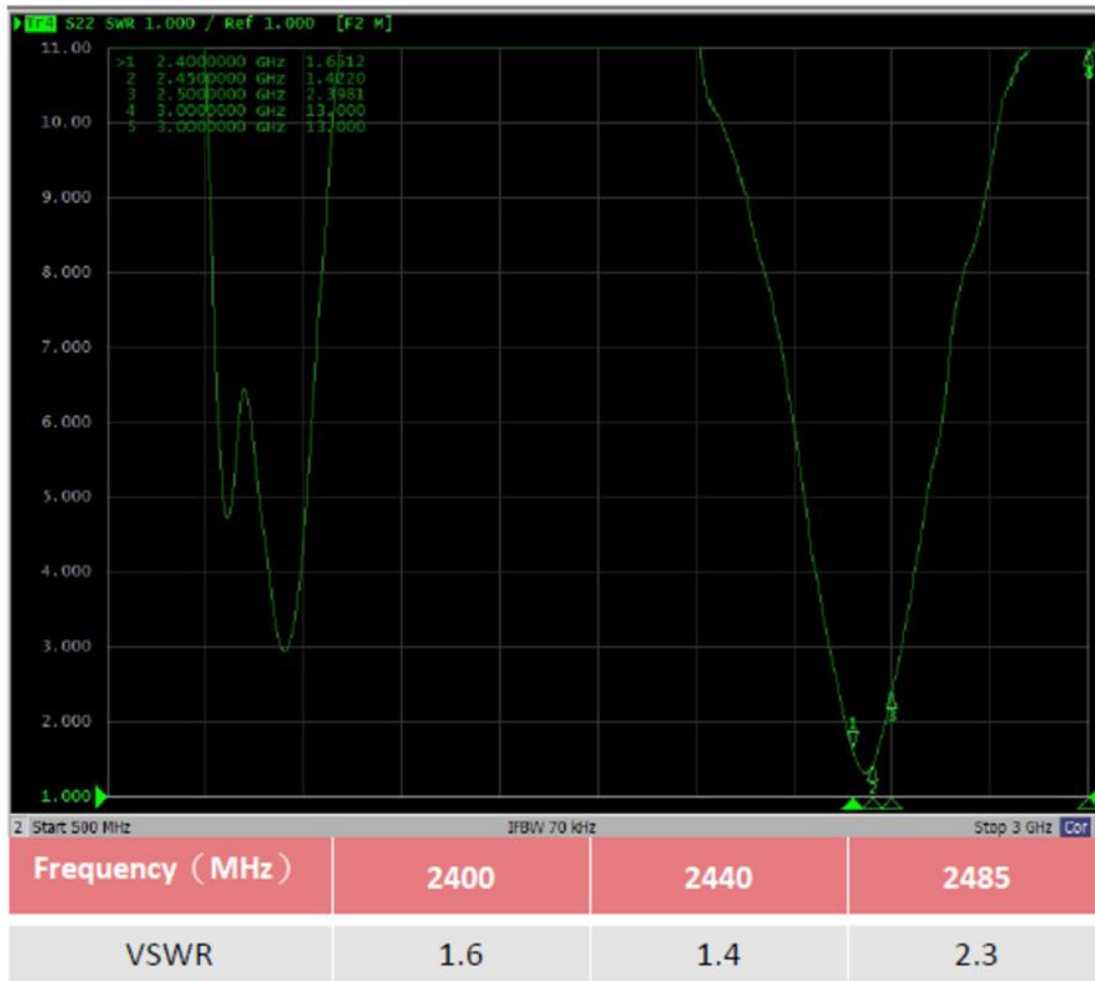
# Antenna Datasheet

## 1、 Basic Specifications

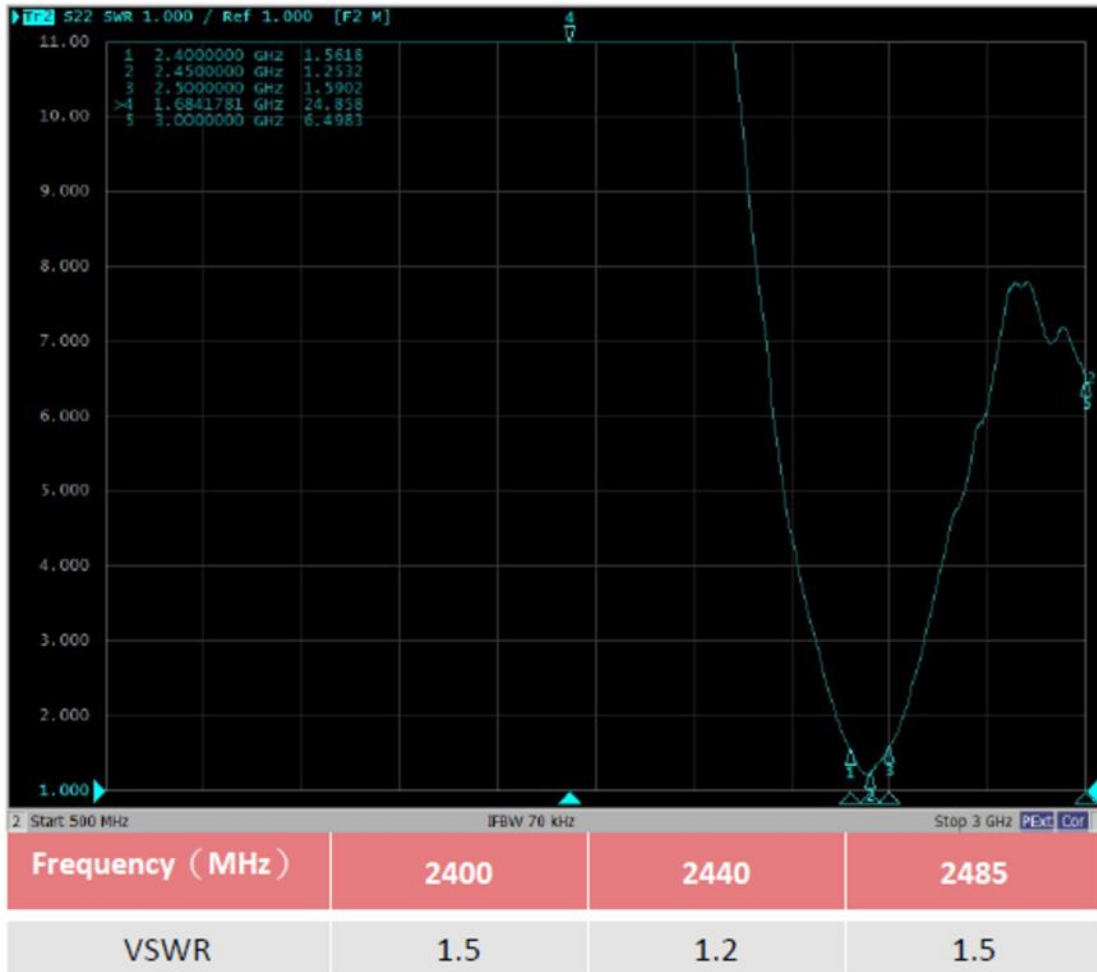
No.	Specification	Descriptions	Notes
1	Antenna Name	DF101 Antenna	Only sale for DJI
2	Brand	DJI	
3	Operation Frequency	2.4~2.483GHz;	
4	Connector Type	Ipex-1	
5	Impedance	50ohm	
6	Gain	BLE: 1.66 dBi@2.4~2.483GHz GFSK: <a href="#">2 dBi@2.4~2.483GHz</a>	
7	Efficiency	≥45%	
8	VSWR	≤2	
9	Polarization type	Linear	
10	3dB Beam width	Omnidirectional horizon	
11	Weight	/	
12	Antenna type	FPC	
13	Manufacturer	Shenzhen ZTX Communication Technology Co., LTD. No. 34, Shilong Avenue, Shiyan Street, Baoan, Shenzhen	

## 2、 Antenna return loss

BT:



GFSK:



### 3、 Antenna Gain

BT:

Frequency	Efficiency	Gain(dBi)
2400MHz	48.31%	1.41
2410MHz	46.56%	1.29
2420MHz	50.35%	1.66
2450MHz	52.84%	1.36
2470MHz	52.48%	1.04
2480MHz	47.42%	0.39
2483MHz	48.75%	0.42

GFSK:

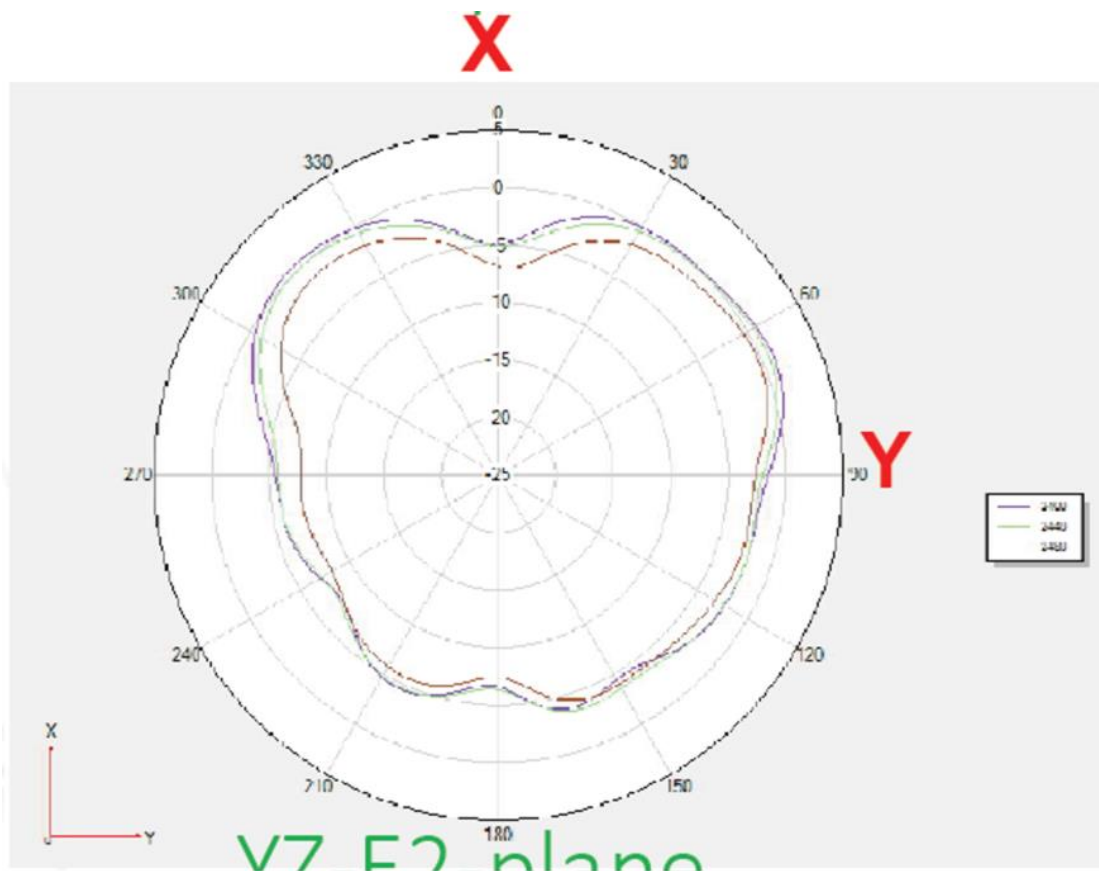
Frequency	Efficiency	Gain(dBi)
2400MHz	51.68%	1.47
2410MHz	52.36%	1.08
2420MHz	52.02%	1.26

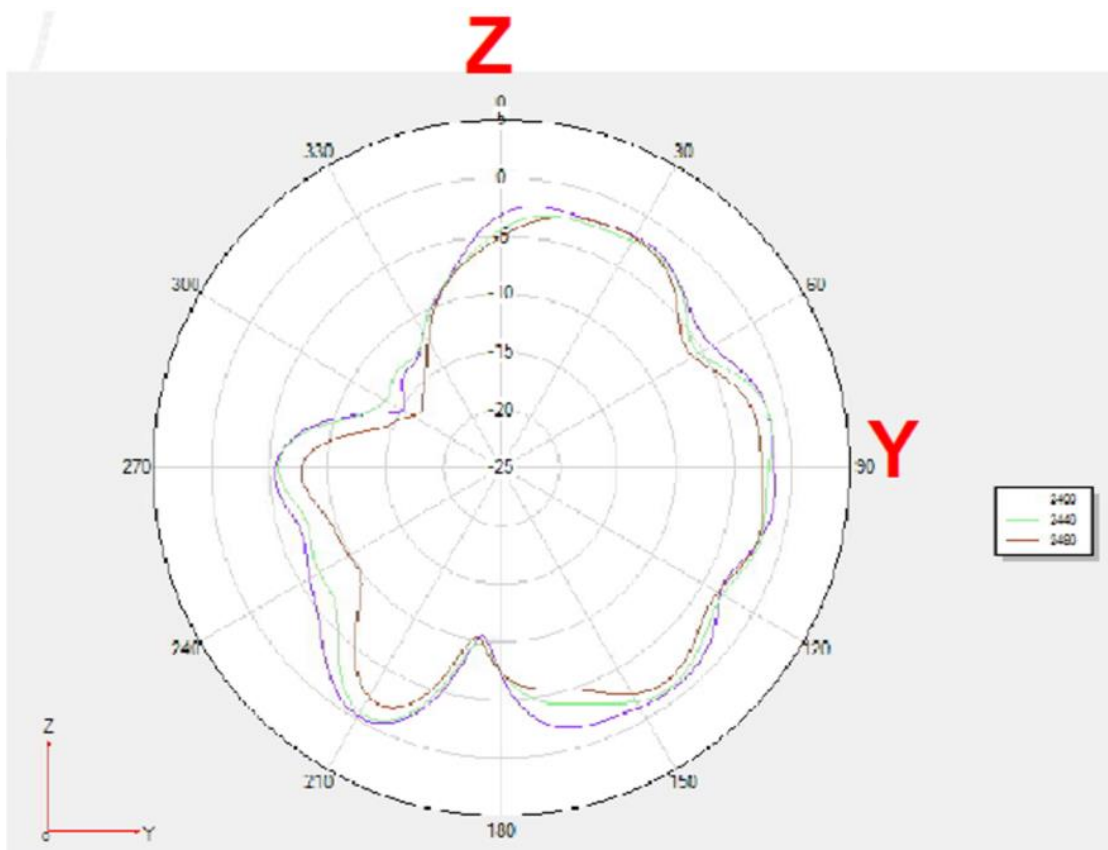
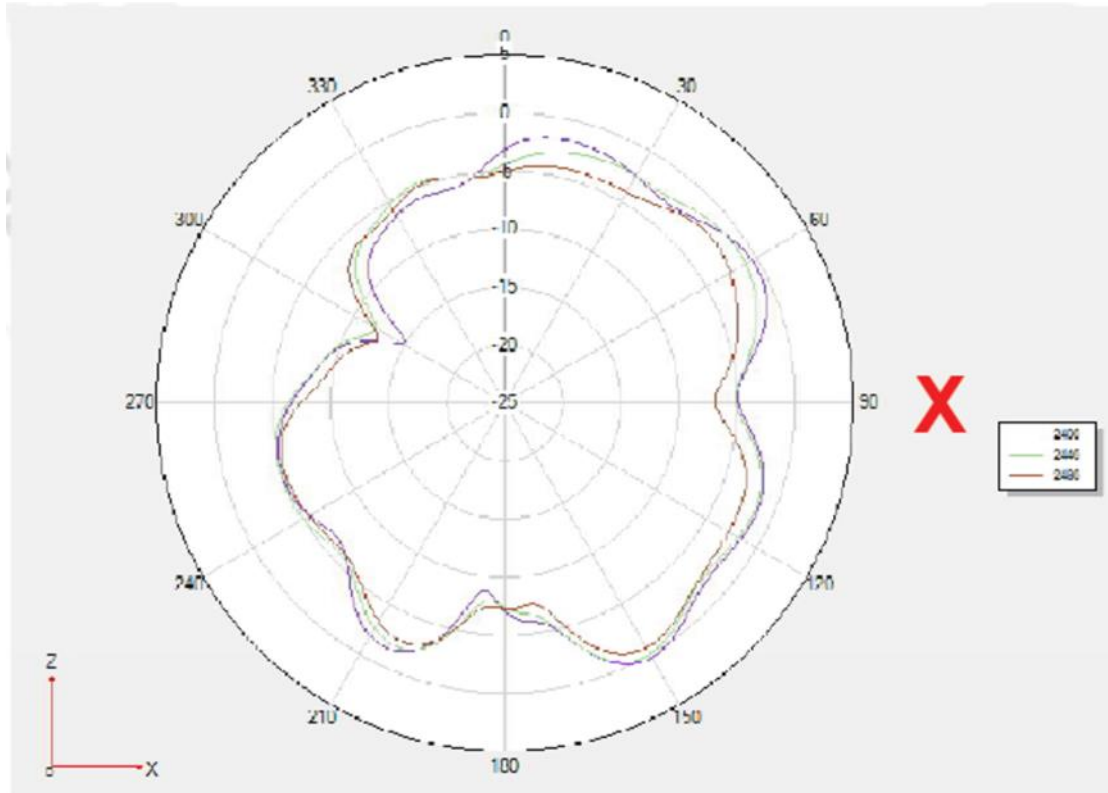
2450MHz	54.2%	2.00
2470MHz	52.23%	1.69
2480MHz	51.24%	1.06
2483MHz	50.42%	1.28

## 4、 Radiation Pattern

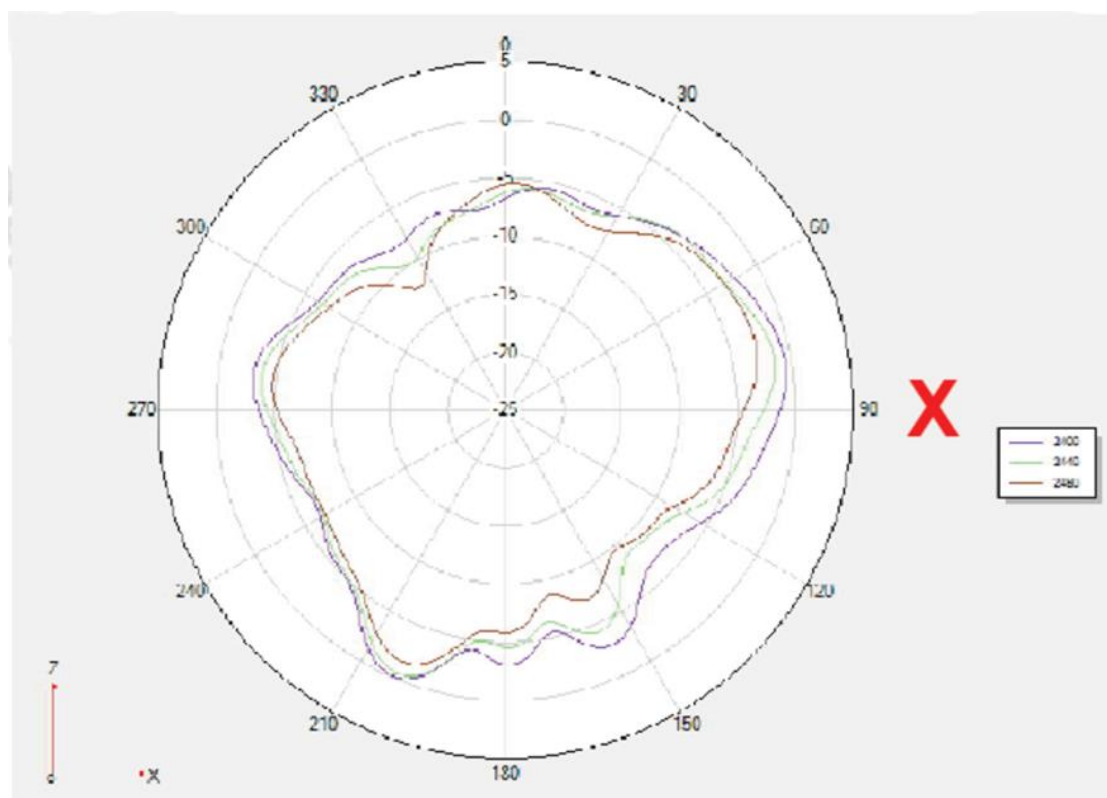
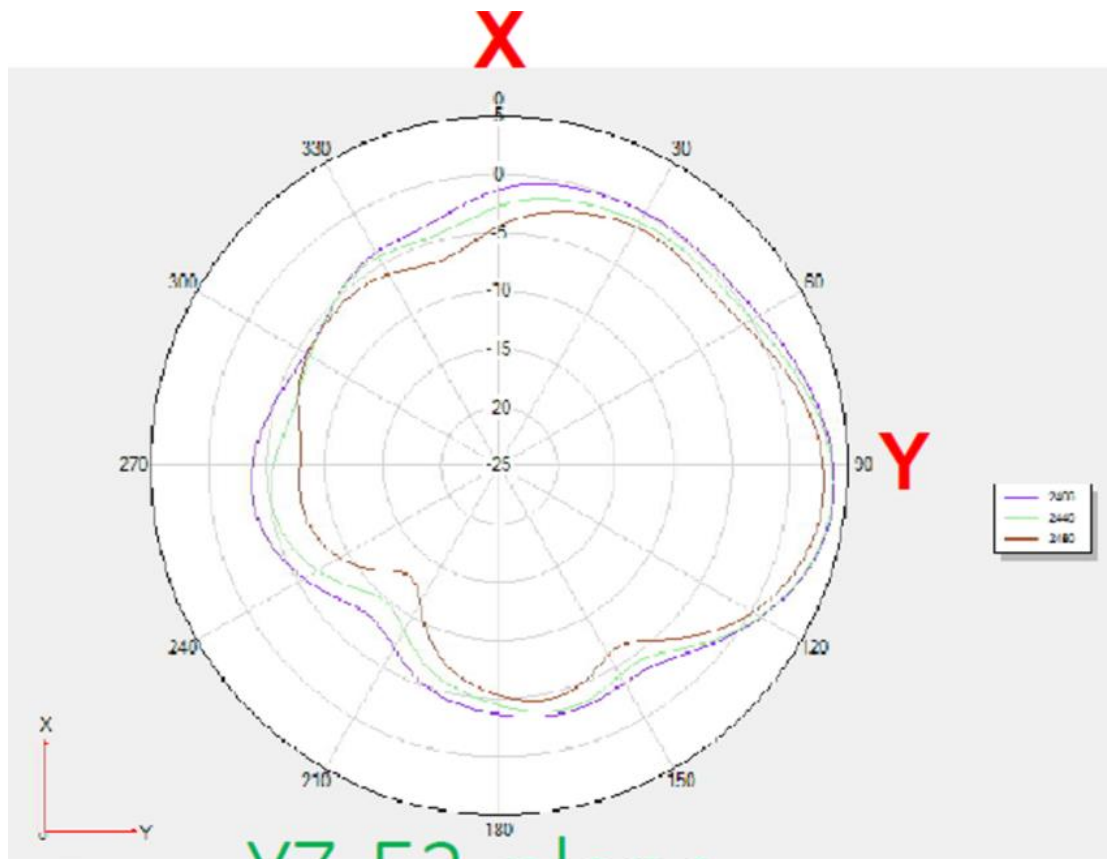
### 4.1 Antenna 2.4G radiation pattern

#### BT Antenna

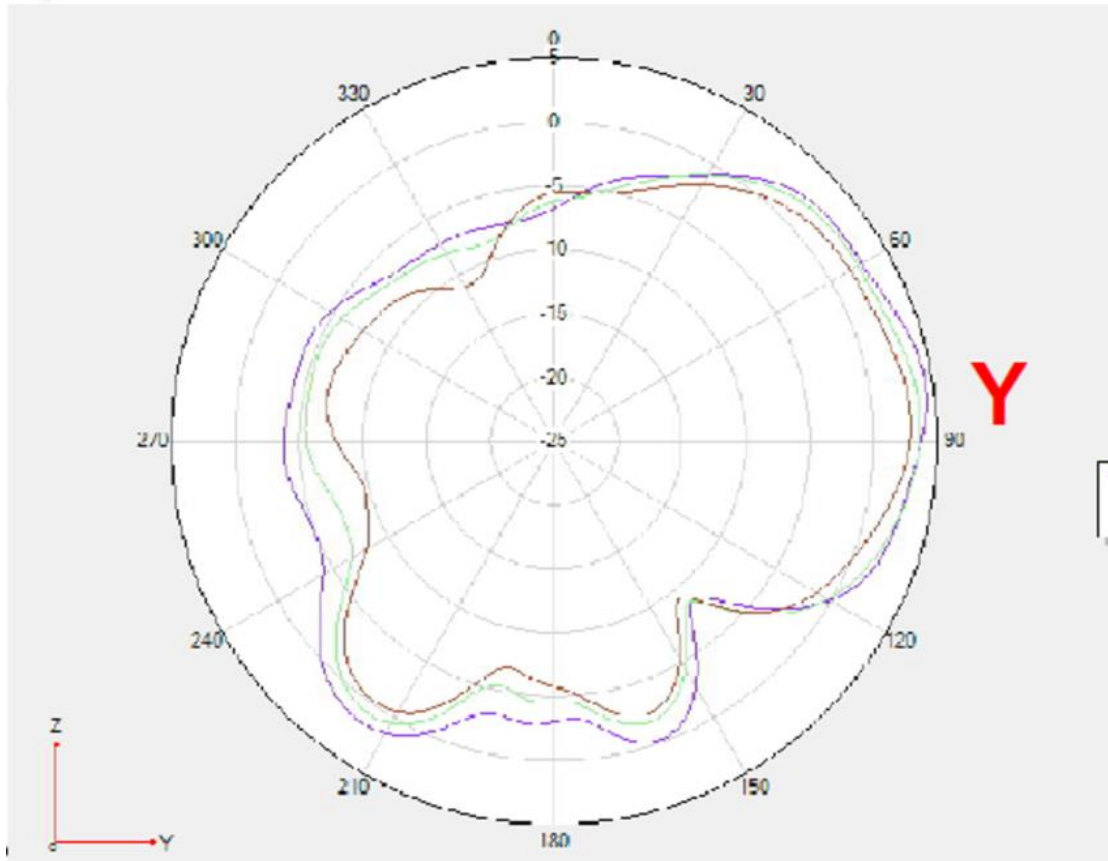




GFSK Antenna







5、 Structure drawing

please refer to antenna photo.