

Product specification

Model Name:	T50	Number :	N/A
Antenna material :	PCB	Frequency Band :	2400~2500 MHz 5150~5850 MHz
Item number :	N/A	Date :	2025-05-18

Manufacturer: Guangzhou Toksurvey Information Technology Co., Ltd

Address: No.9, Caipin Road, Building B, Room 801-6, Huangpu District, Guangzhou, China

Unit: mm

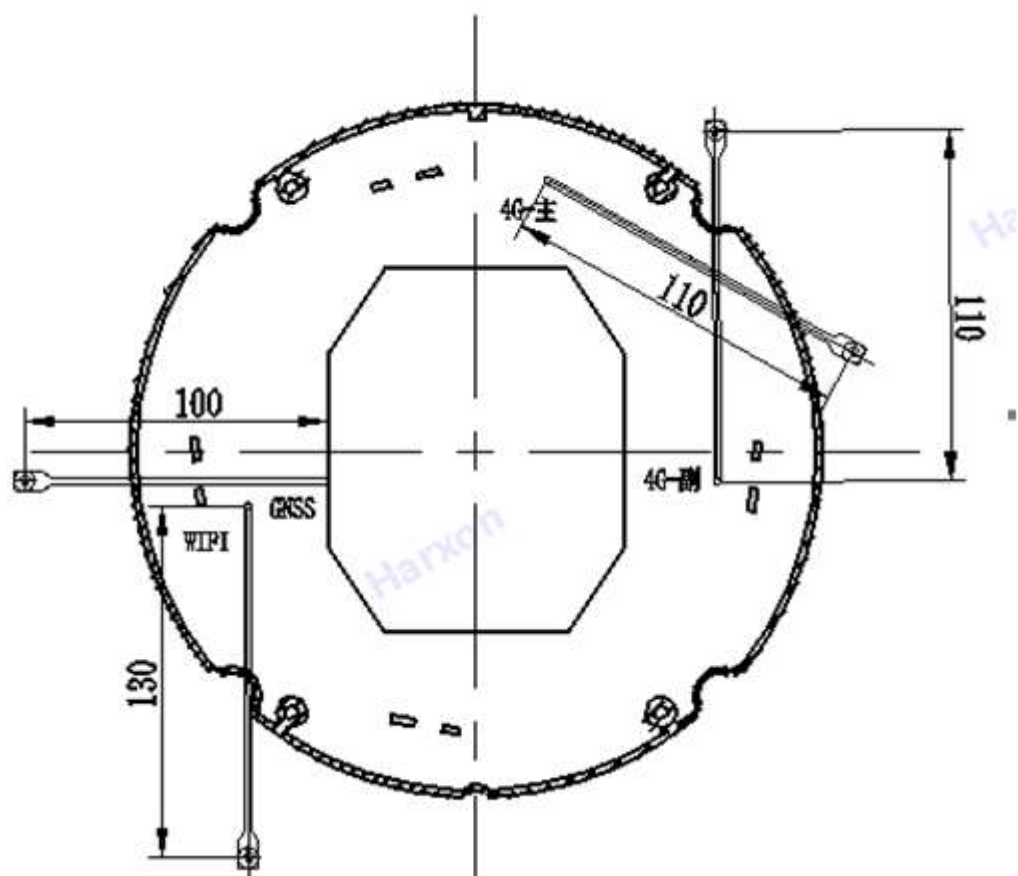
Technical drawing of a circular mechanical part, likely a flange or end plate, showing dimensions and features:

- Outer diameter: $\phi 121.8$
- Inner diameter: $\phi 112.6$
- Central hole diameter: $\phi 18$
- Four mounting holes: $4-\phi 2.7$
- Top flange outer diameter: $\phi 104$
- Top flange inner diameter: $\phi 92$
- Top flange thickness: $\phi 86$
- Top flange radius: $R3.9$
- Top flange chamfer: 35.24°
- Bottom flange thickness: 45°
- Bottom flange radius: $R0.8$
- Bottom flange diameter: $\phi 65$
- Bottom flange hole diameter: $\phi 192$

Technical drawing of a vertical assembly with dimensions:

- Top dimension: $15.2^{+0.5}_{-0.3}$
- Second dimension from top: $9.5^{+0.5}_{-0.3}$
- Third dimension from top: 1.2
- Fourth dimension from top: $5.2^{+0.5}_{-0.5}$
- Bottom dimension: 1.5 MAX

Bottom view



2. Electrical performance test

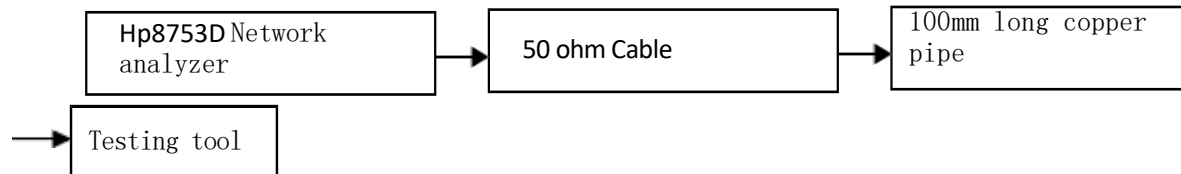
2.1 Specifications

Linse-01 antennas	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR
Frequency band	Transmitting end		Receiving end	
BT/WIFI 2.4G	2400-2500	≤1.33		
WIFI 5G	5150-5850	≤1.74		

3.VSWR Test

3.1 Test setup

VSWR testing device:

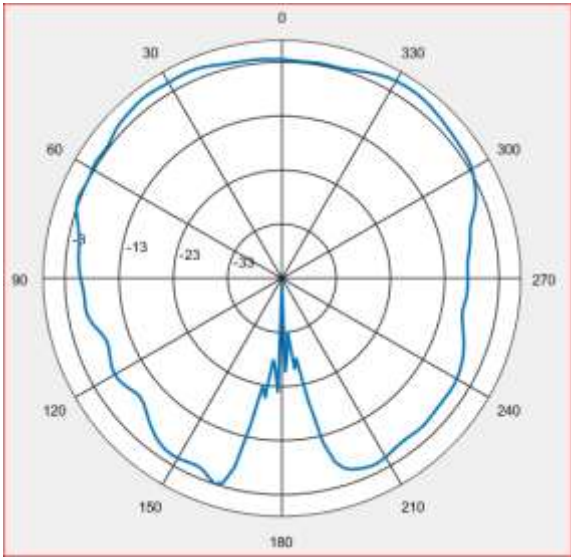
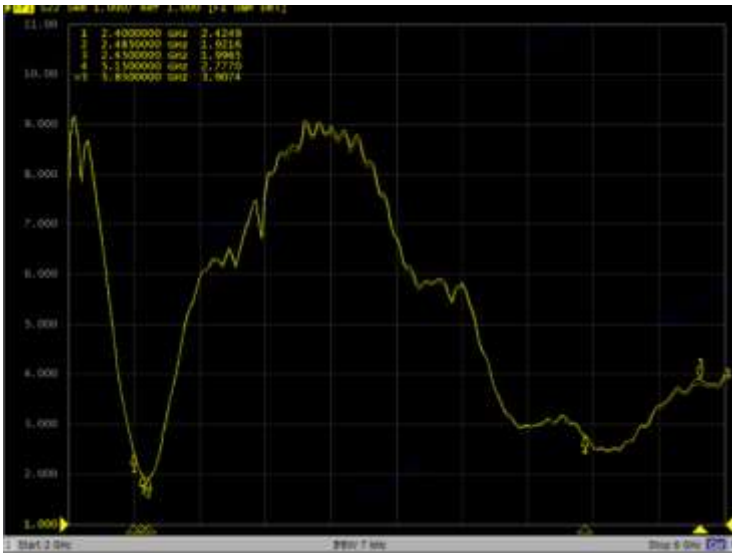


Test fixture processing: From the antenna 50 ohm test point on the PCB of the mobile phone with a hard cable to lead out the SMA-J connector, connected with the copper tube with a choke, and then connected to other devices in turn.

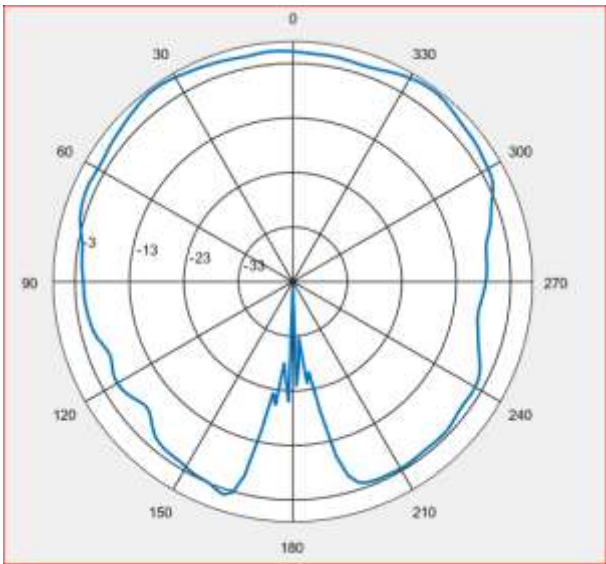
4.Test data

4.1 WIFI

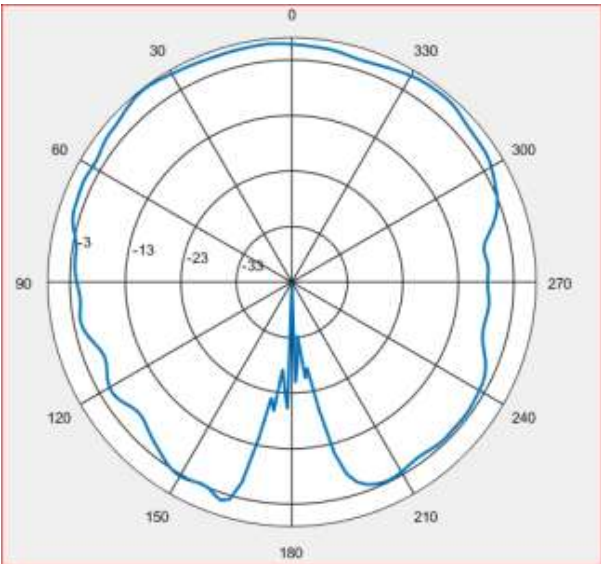
Frequency (MHz)	2410	2450	2480	5100	5300	5500	5800
Gain (dBi)	0.81	2.08	2.08	1.54	2.51	2.4	1.2



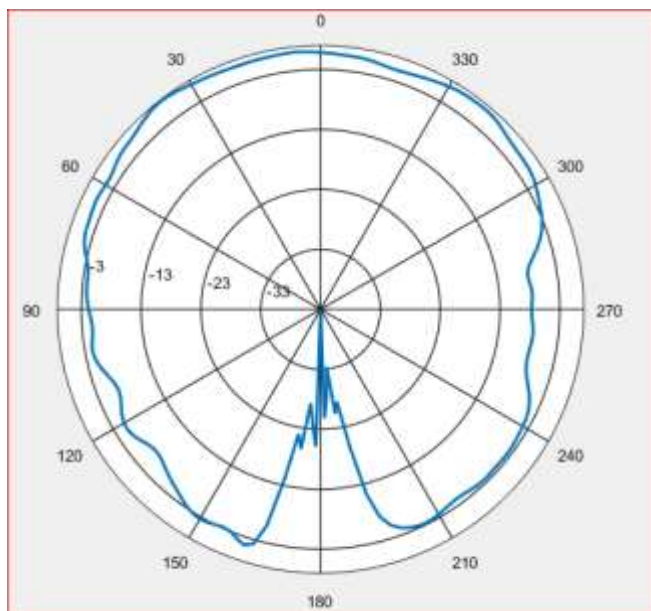
2410MHz



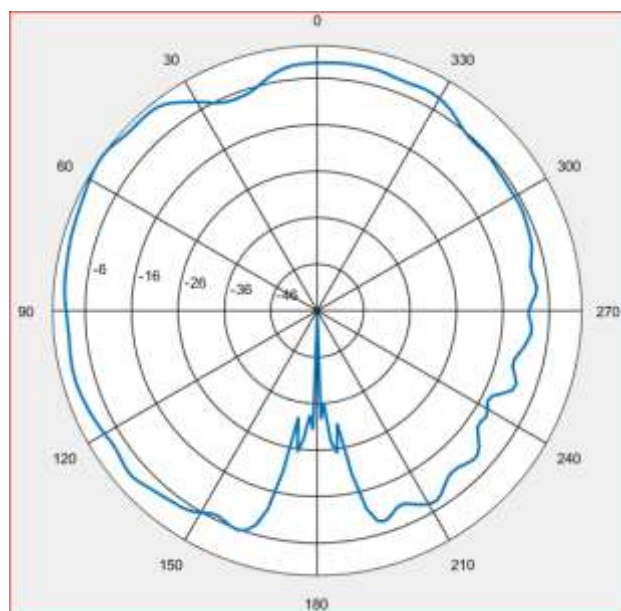
2450MHz



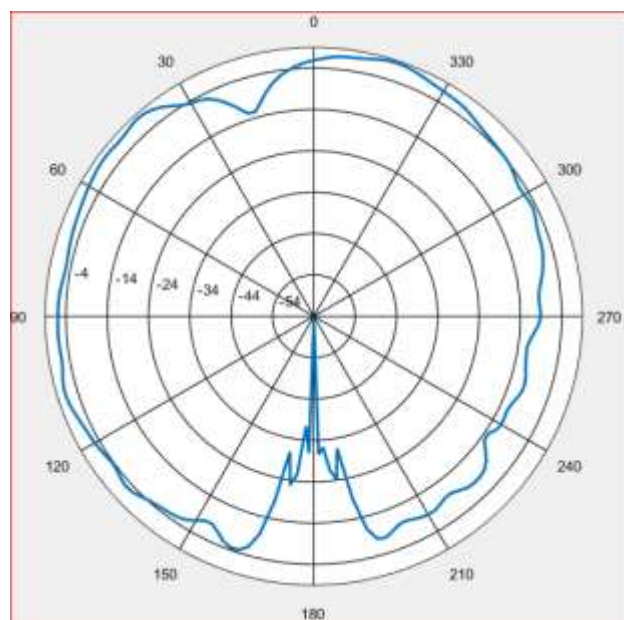
2480MHz



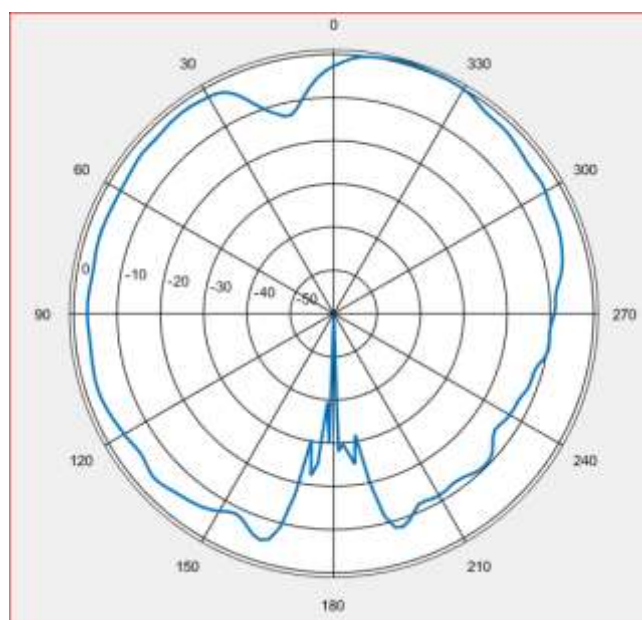
5100MHz



5300MHz



5500MHz



5800MHz