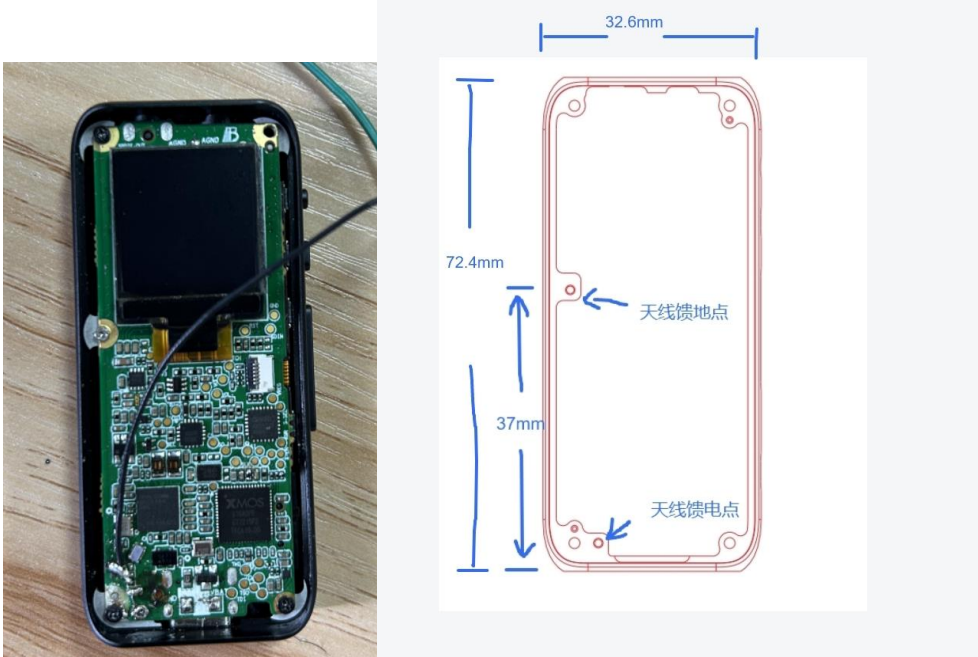


BTR15 antenna specification

Description	
Project Name	BTR15
Company	Guangzhou FiiO Electronics Technology CO., LTD
Address	No.21, Longliang Road, Xialiang Village, Longgui Street, Baiyun District, Guangzhou
Operation Band	Bluetooth
Frequency	2400MHz-2500MHz
Gain	-0.86dBi
Antenna Type	Mid-frame antenna
Testing Equipment	
VNA	E5071C
Chamber	Guangping Chamber system
Time	2023-7-28

1 Antenna pattern



2 Passive data

2.1 S11

Fre(MHz)	2400	2450	2500
Result(dB)	-10	-13	-30

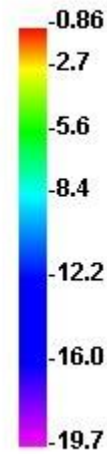
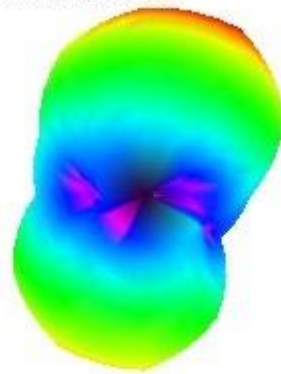
2.2 Efficiency & Gain

Fre (MHz)	Eff (%)	Eff (dB)	Gain (dBi)
2400	11.26	-9.48	-4.74
2410	13.7	-8.63	-3.74
2420	11.94	-9.23	-4.2
2430	14.18	-8.48	-3.4
2440	13.27	-8.77	-3.65
2450	13.8	-8.6	-3.42
2460	14.07	-8.52	-3.24
2470	17.46	-7.58	-2.2
2480	18.47	-7.34	-1.86
2490	22.67	-6.45	-0.95
2500	23.39	-6.31	-0.86

2.3 Radiation Pattern

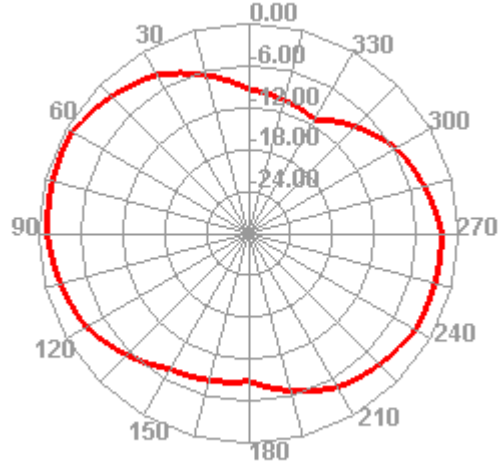
3D pattern

2500.000MHz



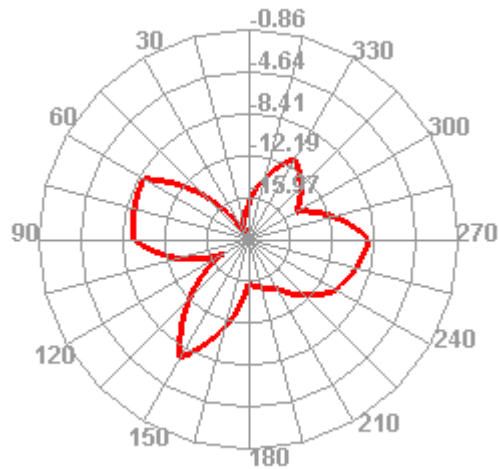
H-plane

2500.000MHz H



E1-plane

2500.000MHz E1



E2-plane

2500.000MHz E2

