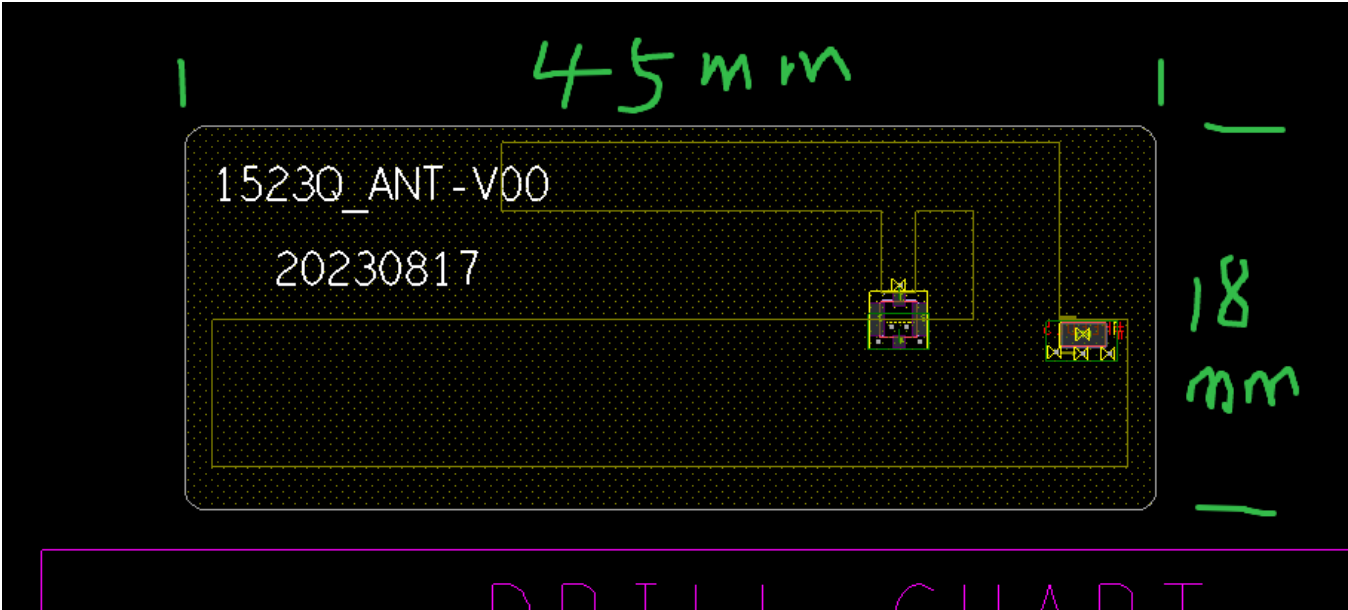


antenna specification

Description	
Project Name	Q15
Operation Band	Bluetooth
Company	Guangzhou FiiO Electronics Technology CO., LTD
Address	No.21, Longliang Road, Xialiang Village, Longgui Street, Baiyun District, Guangzhou
Frequency	2400MHz-2500MHz
Gain	1.27dBi
Antenna Type	FR4 PCB 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	-30	-13

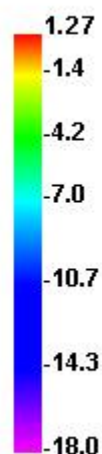
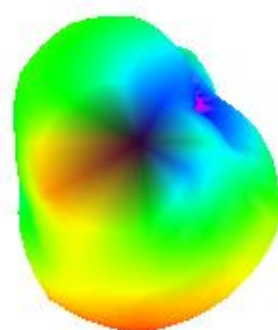
2.2
Efficiency & Gain

Fre (MHz)	Eff (%)	Eff (dB)	Gain (dBi)
2400	35.46	-4.5	0.63
2410	40.16	-3.96	1.18
2420	41.17	-3.85	1.27
2430	37.75	-4.23	0.87
2440	41.13	-3.86	1.21
2450	34.63	-4.61	0.42
2460	37.64	-4.24	0.78
2470	37.61	-4.25	0.77
2480	40.12	-3.97	1.1
2490	39.98	-3.98	1.03
2500	39.79	-4	1.02

2.3
Radiation Pattern

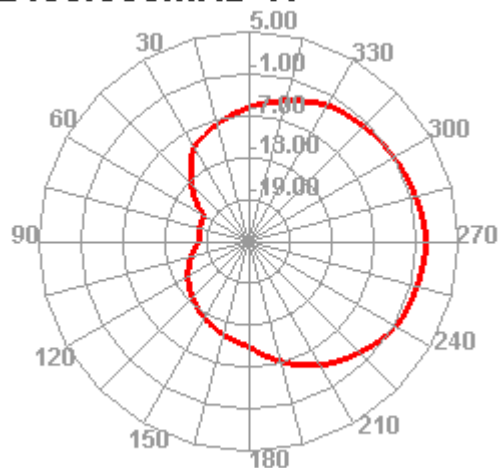
3D pattern

2450.000MHz



H-plane

2450.000MHz H



E1-plane

2450.000MHz E1



E2-plane

2450.000MHz E2

