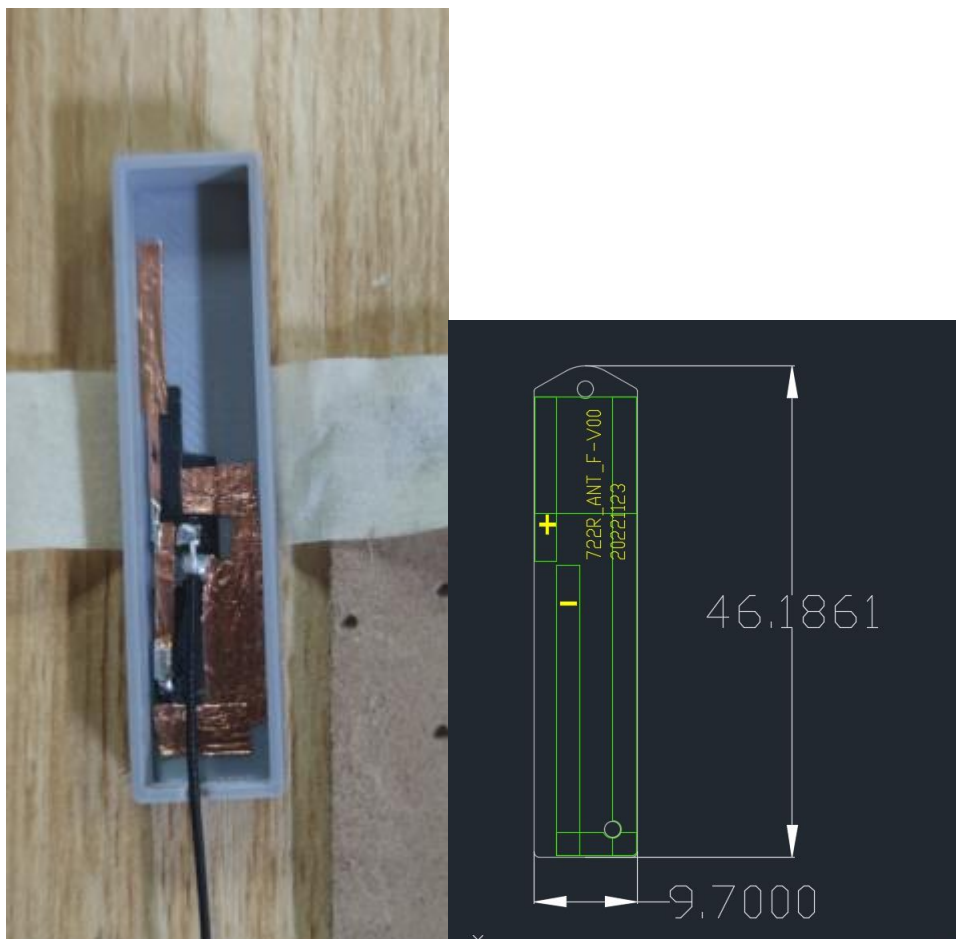


R7 antenna specification

Description	
Project Name	R7
Operation Band	Bluetooth
Frequency	2402MHz-2480MHz
Gain	0.67dBi
Antenna Type	Internal antenna with PCB
Company	Guangzhou FiiO Electronics Technology Co., Ltd.
Address	No.21, Longliang Road, Xialiang Village, Longgui Street, Baiyun District, Guangzhou
Testing Equipment	
VNA	E5071C
Chamber	Guangping Chamber system
Time	2022-7-6

1 Antenna patern



2 Passive data

2.1 S11

Fre(MHz)	2400	2450	2500
Result(dB)	-13	-25	-16

2.2 Efficiency & Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	37.07	-4.31	0.26
2410	39.37	-4.05	0.62
2420	34.49	-4.62	0.12
2430	37.17	-4.3	0.43
2440	35.68	-4.48	0.19
2450	36.73	-4.35	0.18
2460	36.68	-4.36	0.08
2470	41.84	-3.78	0.64
2480	44.24	-3.54	0.67
2490	55.39	-2.57	1.58
2500	53.9	-2.68	1.15

2.3 Radiation Pattern

3D pattern

2450.000MHz

