

Prototype demonstration



背



内部结构

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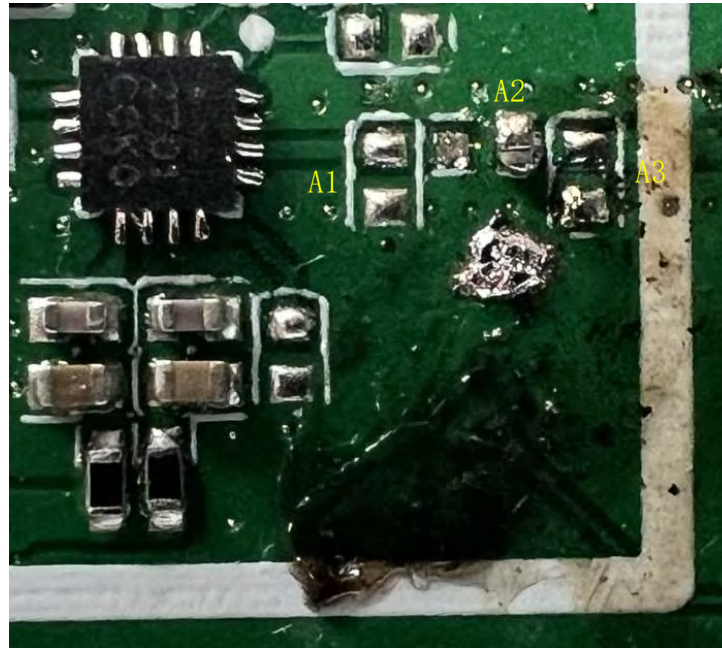
Factory address : 3/F, Building A, No. 20, Taihe Community, Zhongxin Community,
Pingdi Sub-district, Longgang District, Shenzhen City
R & D Center: Room 316, Block A, Jinfule Building, No. 49-1, Dabao Road, Dalang
Community, Xin'an Street, Bao'an District, Shenzhen City

Project Brief Introduction

model	WIFI control panel					
plate cut	PCB					
Frequency band and antenna material	main antenna	frequency band		texture	Antenna type	Match modification
		WIFI 2.4	2412-2472Mhz	Tubing + Cable Wire	Copper tube antenna	Y



Match modifica

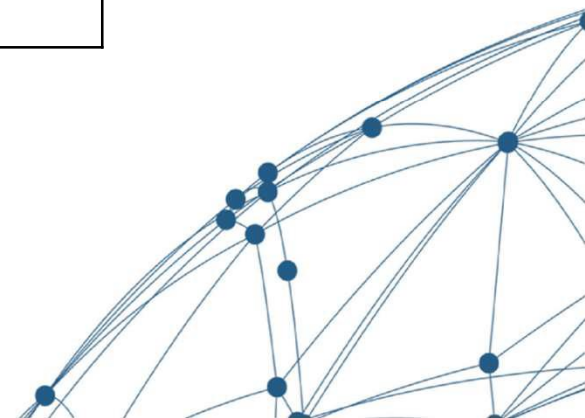


bit number	After modifying the matching value
A1	NC
A2	bunch 1.6PF
A3	NC



OTA Passive parameters-

Gain&Efficiency		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	59.71	1.61
2410	63.42	1.97
2420	63.02	2.04
2430	67.72	2.35
2440	69.16	2.38
2450	72.43	2.42
2460	69.26	2.14
2470	69.21	2.05
2480	71.01	2.15
2490	76.01	2.52
2500	75.69	2.65



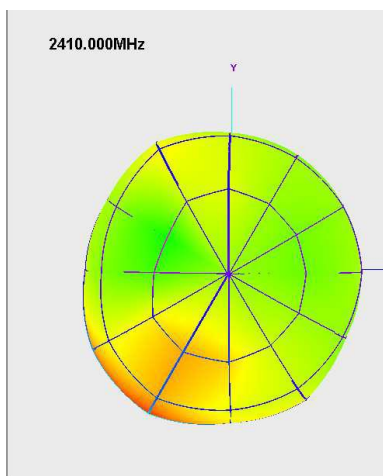
Passive parameters of OTA radiation chart

3D

2D

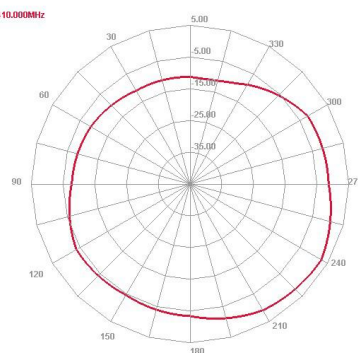
2D

2D



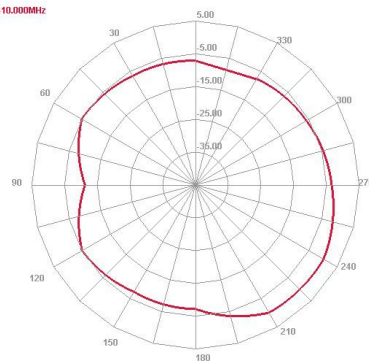
Horizontal

2410.000MHz



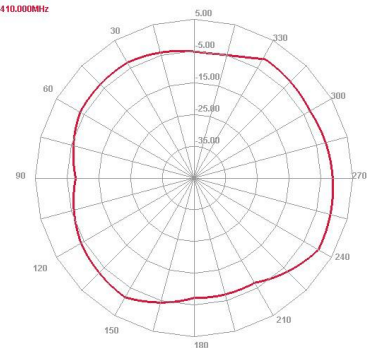
E1 Face

2410.000MHz



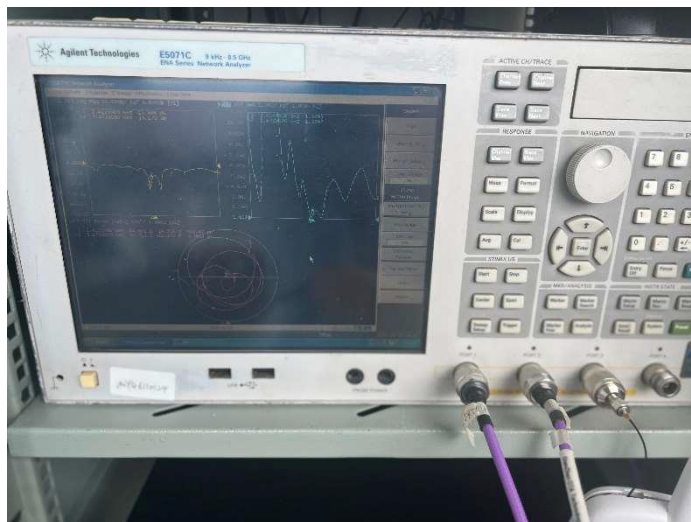
E2 Face

2410.000MHz

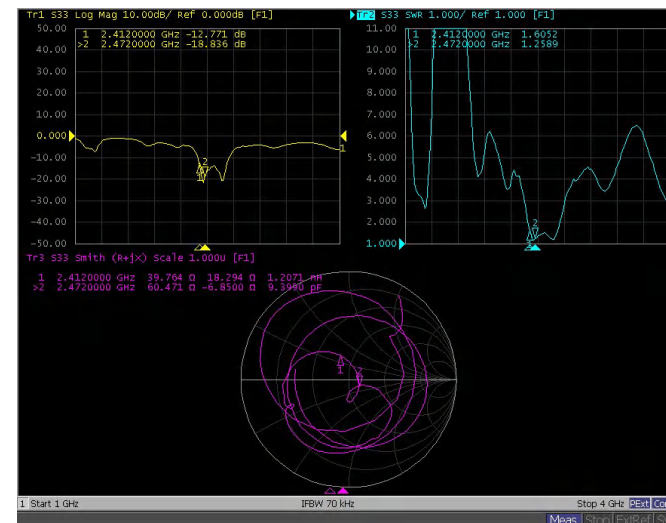


S11Testing environmen

•S11 Connection Test Diagram



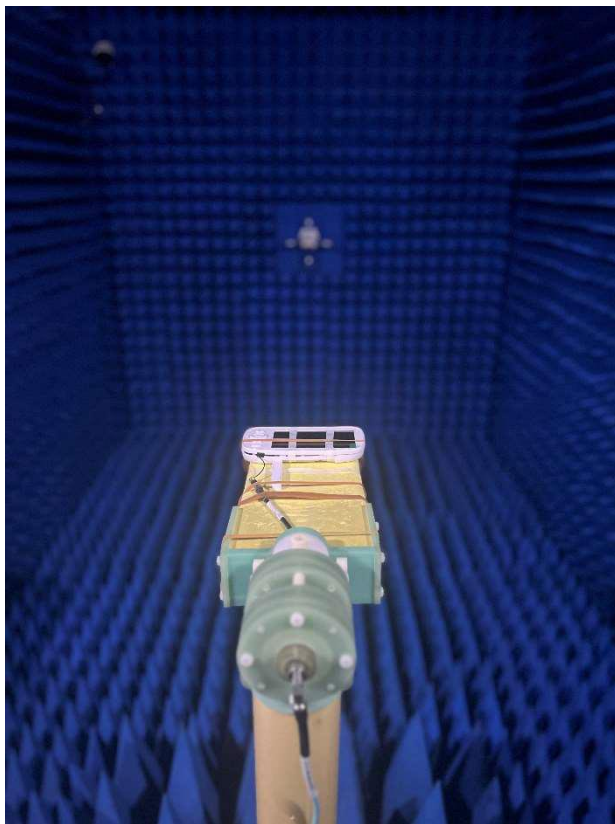
•Network analyzer data



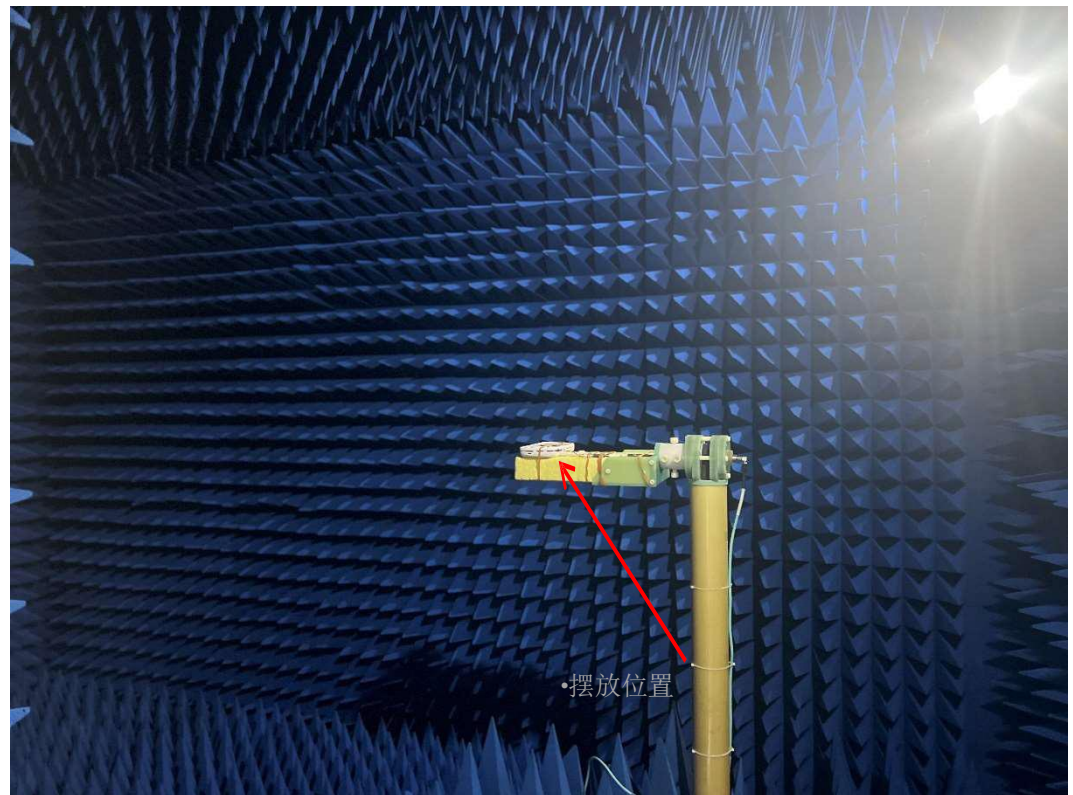
频段Fre (Mhz)	2412	2472
SRL Return loss (dB)	-12.77	-18.83
SVSWR (dBm)	1.6	1.26



OTA testing environment



•OTA testing environment



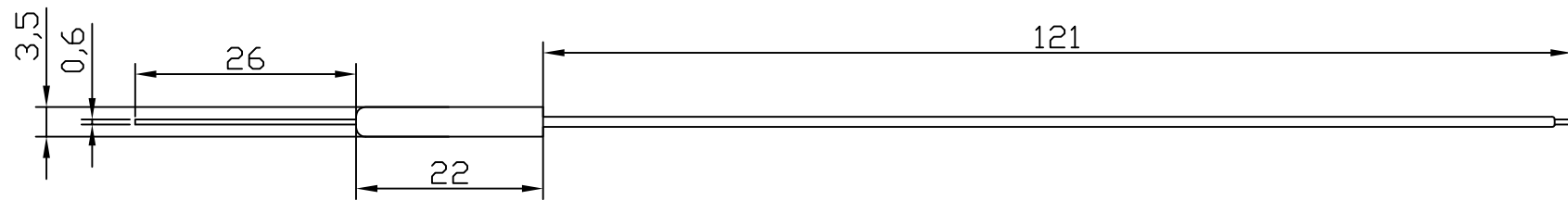
•摆放位置

Product testing setup



Antenna display





plot		Version	V:1.0		
audit		Unit	mm	date	
ratify		proportion			