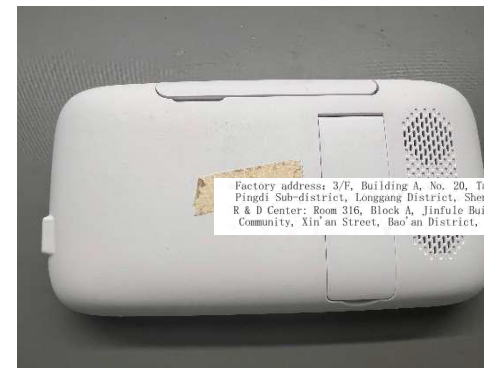
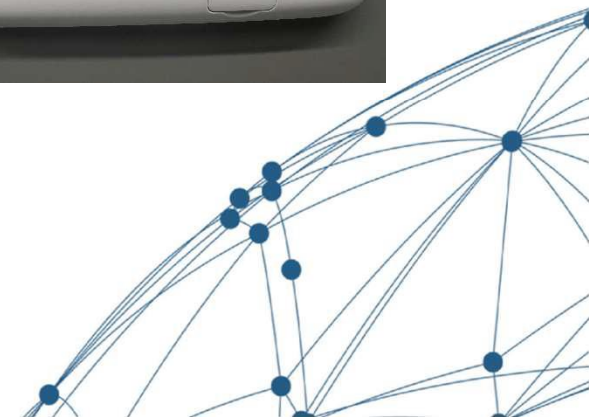


SM530-RX

版本:V1.1 2025/06/21



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	SM530-RX				
versions	V1.2				
Frequency band and antenna material	antennae	communication	texture	Antenna type	Match modifications
		WIFI	Copper tube + coaxial cable	Copper tube antenna	Y-be changed
Main antenna design frequency band	2412-2472 MHZ				
performance requirement	Customer standards				



OTA Passive test data

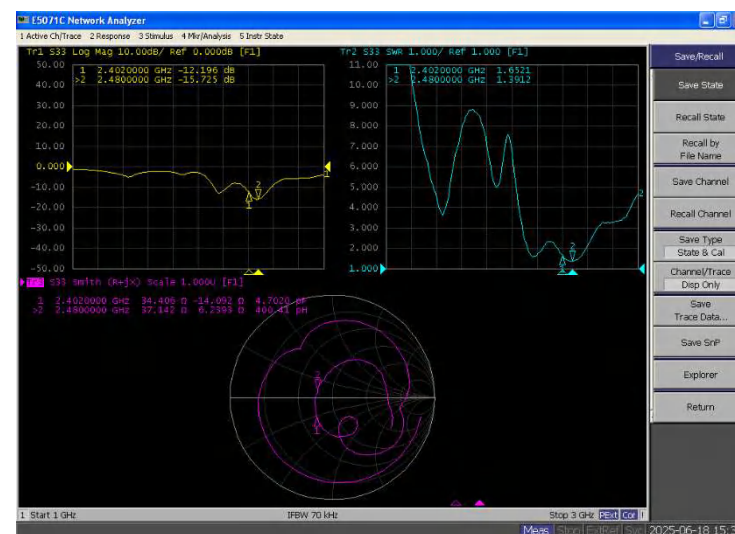
Gain&Efficiency=		
Frequency(MHz)	Efficiency (%)	Gain(dBi)
2400	53.14	-0.8
2410	53.98	-1.06
2420	54.25	-1.21
2430	55.78	-0.82
2440	59.26	-0.44
2450	63.69	0.07
2460	62.33	0.22
2470	65.17	0.58
2480	68.85	0.93

S11testing environm

•S11 Connection test diagram

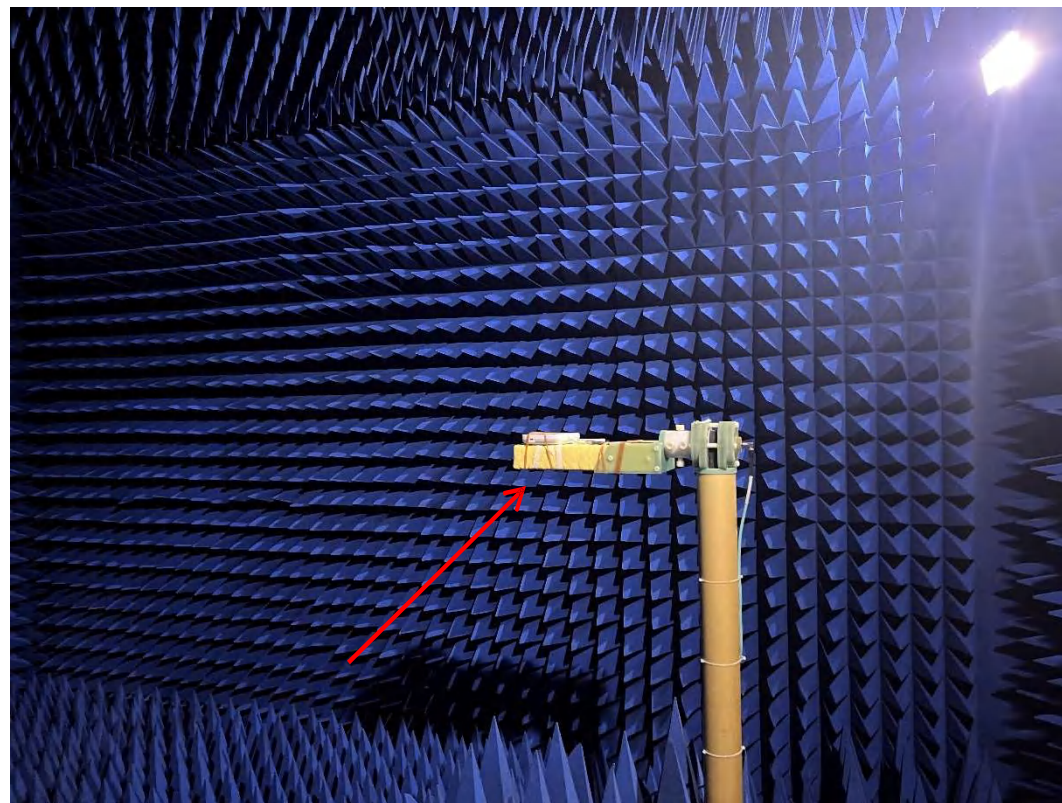
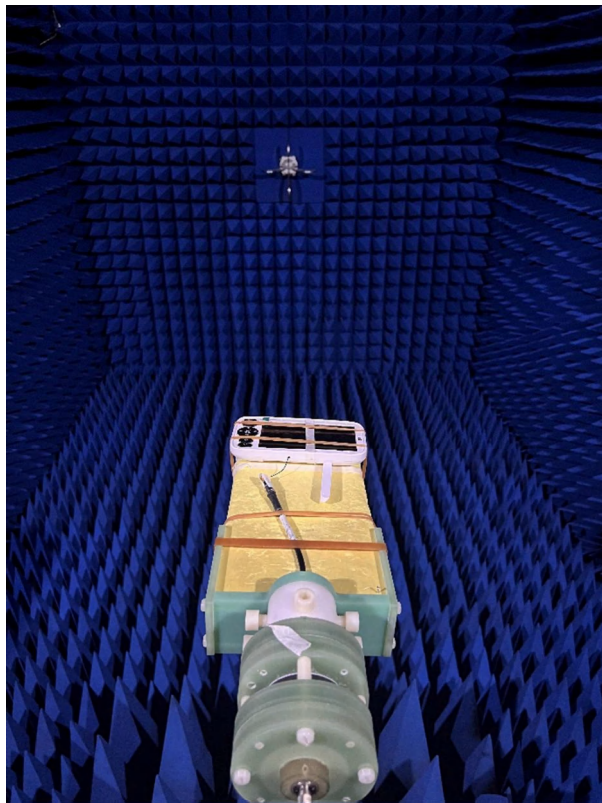


•Network analyzer data

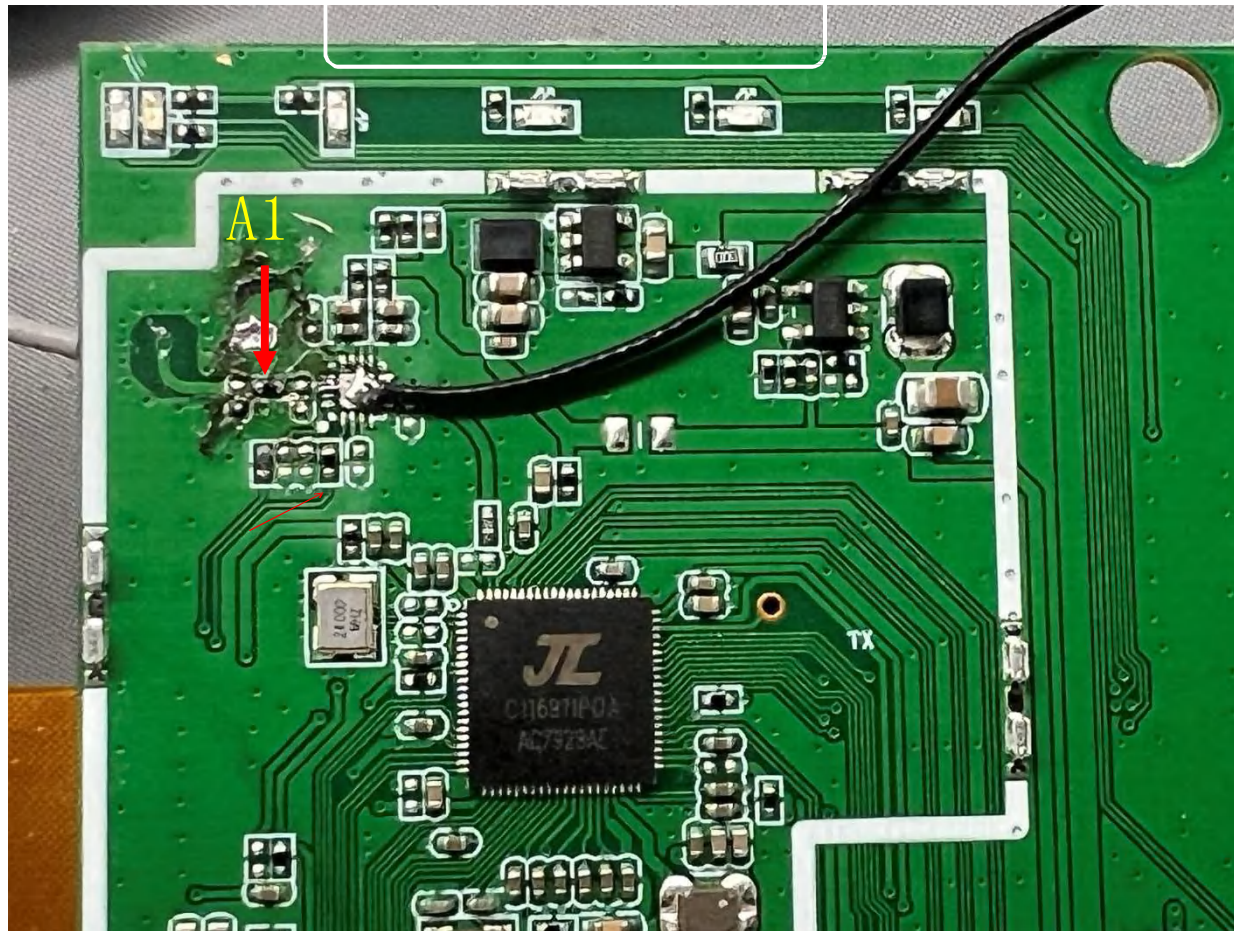


(requency band	2412 MHZ	2472 MHZ
Return loss (dB)	-12. 19	-15. 72
SWR (dBm)	1. 65	1. 39

OTA testing environment



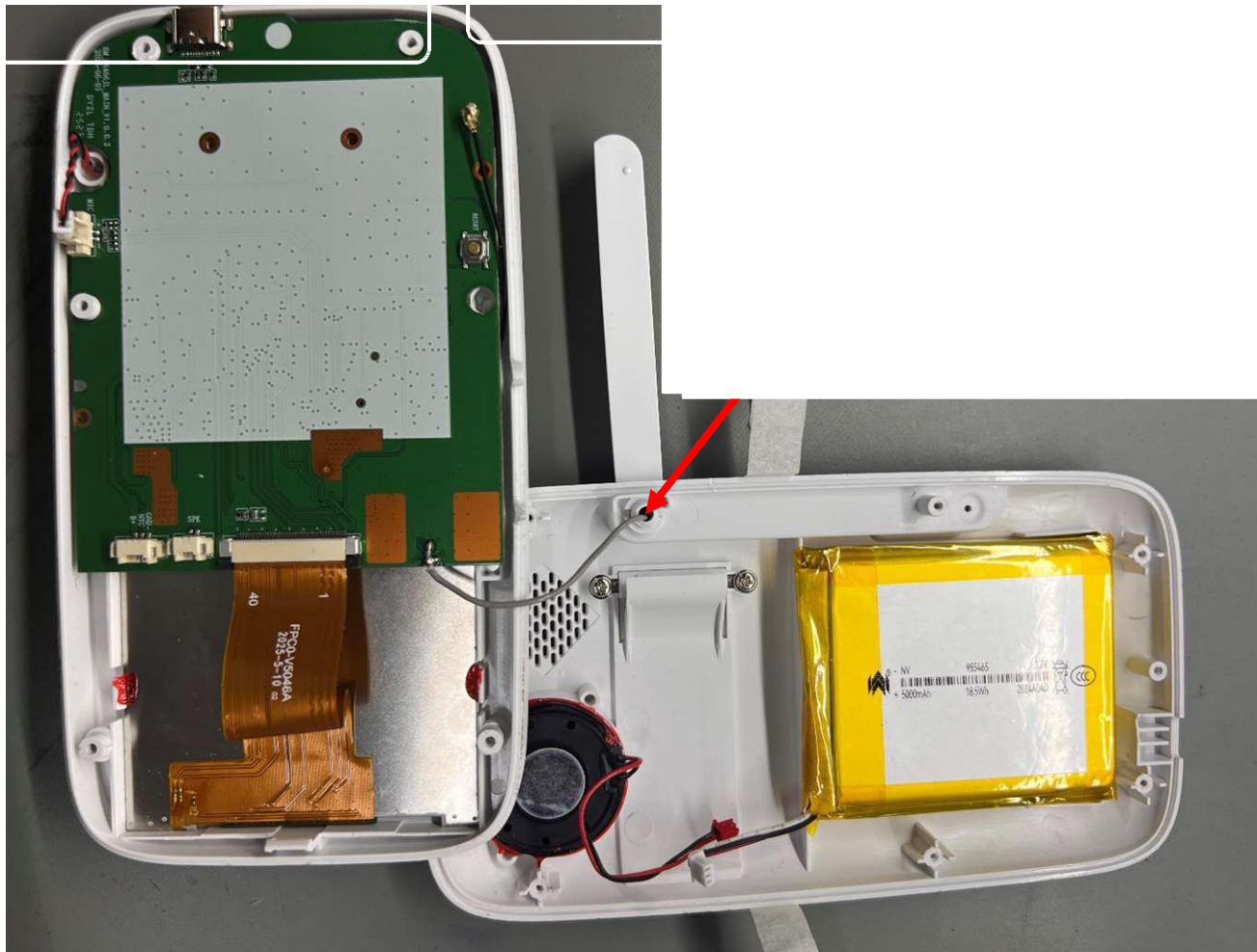
Mainboard illustration:

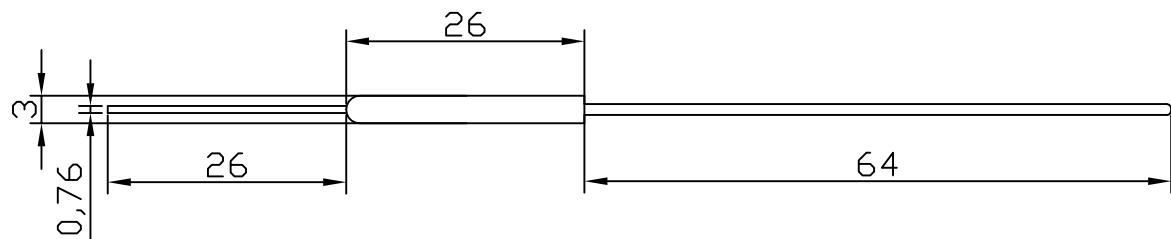


bit number	After modifying the matching value
A1	OR



Antenna installation & overall
machine environment handling





Shenzhen Da Yun Zhilian Technology Co., Ltd.					
plot		versions	V:1.0	product name	
audit		unit	mm		
ratify		proportion		date	