

SHENZHEN SUNSHOW INDUSTRIAL CO.LTD

Room 301, Building A, Taihe Community, Zhongxin Community, Pingdi Sub-district,
Longgang District, Shenzhen City

APPROVAL SHEET

Customer address	Shenzhen Yuanzhi Intelligent Manufacturing Technology Co., Ltd. Room 203, Building A, No. 210 Middle Wanfeng Road, Wanfeng Community, Xinqiao Street, Bao'an District, Shenzhen City, Guangdong Province, China
Customer Model	HYY-000569-(C13-0122-0AA1)
Product Specifications:	1st Generation IPEX / FPC-36.81*13.05 with 1.13 coaxial cable / L=120mm / black / Silk screen: SX-720S-WIFI V1.0 (cable length L=120mm)
Customer Part Number	
S X Part Number	SX-2.4G-120
Issued Date	2025-09-12

CUSTOMER

QUALITY DEPT	ENGINEER R&D DEPT	APPROVED

SUNHOW

WRITTEN BY	ENGINEER R&D DEPT	APPROVED

*Admitted that book in triplicate, please signed by your company.

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Specification sheet

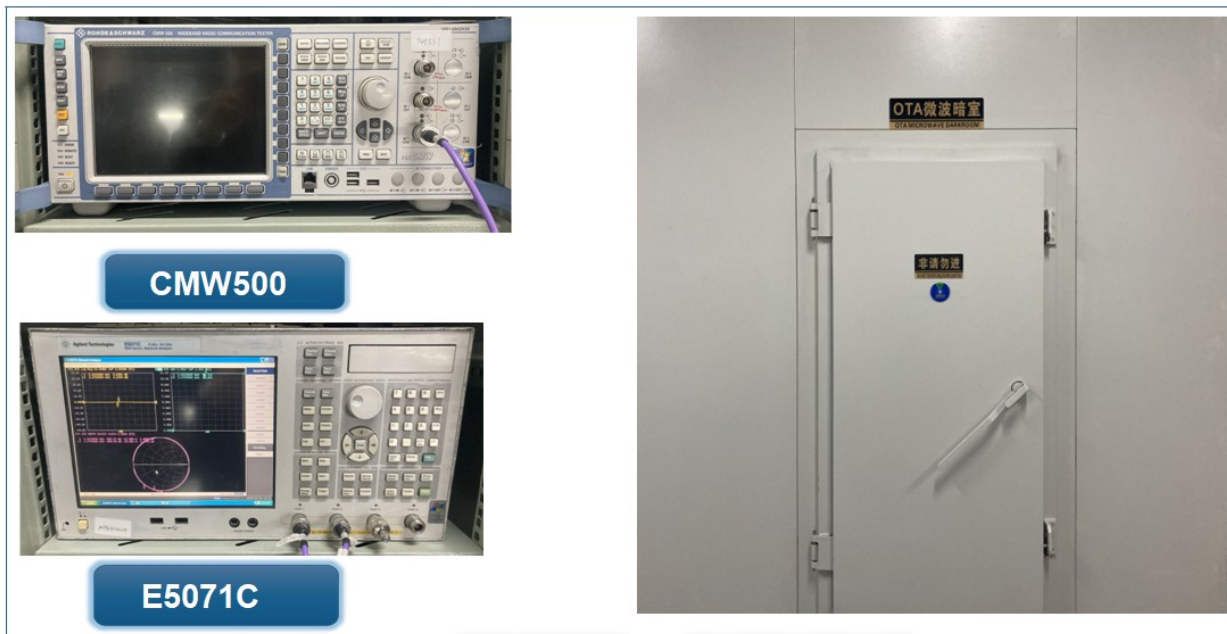
RF Cable Assembly Specification

Main technical specification	
Frequency Range (MHz)	2400–2500
Impedance	50
Average Efficiency	55.3%
MAX Gain	2.45 dbi
Physical Properties	
Cable Type	Black
Connector	IPEX 1
Storage Temp	–20°C~+70°C
Operating Temp	–20°C~+60°C

4. Test project and test equipment

Test project	Testing equipment
1. S11 test 1 (Return Loss) 2. (VSWR)	Network analyzer : Agilent E5071C
2. PASSIVE TEST DATE 1. (Gain) 2. (Efficiency)	1. OTA Microwave darkroom: ETS 5x3x3 m (3D) Chamber 2. Wireless broadband signal tester:: Rohde & Schwarz CMW500

Testing equipment



5. Electrical performance testing -S11

Frequency band	2412Mhz	2472Mhz
1. (Return Loss)	-20.87	-16.43
2. (VSWR)	1.19	1.3



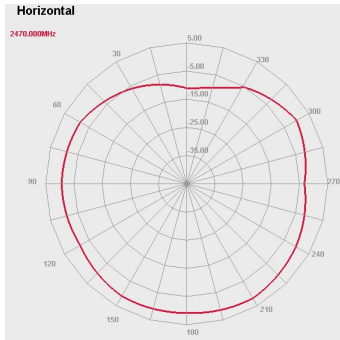
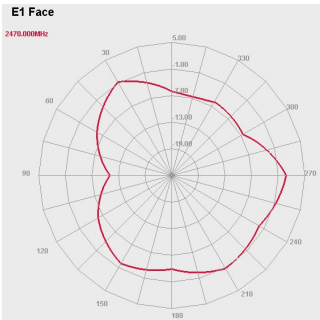
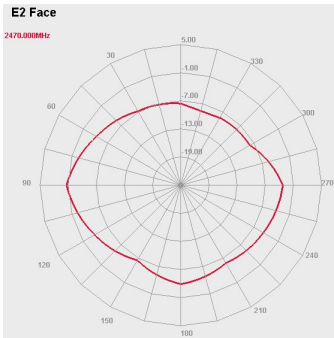
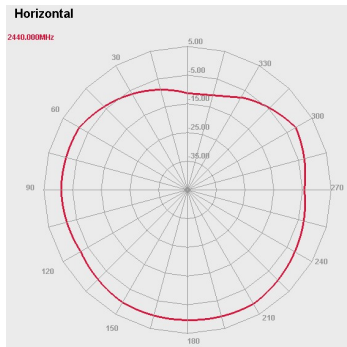
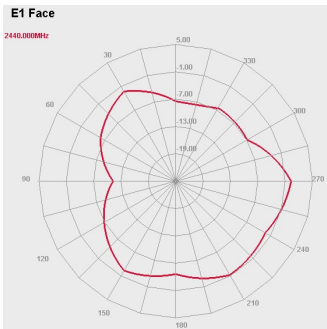
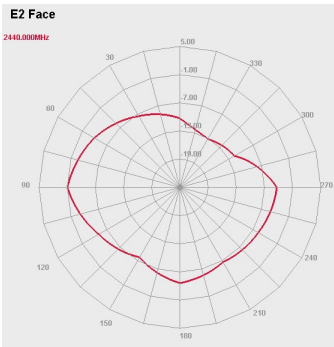
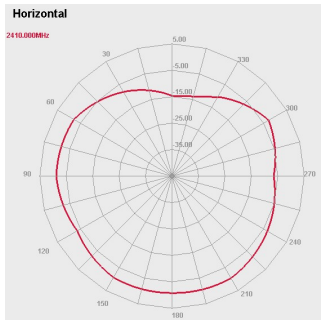
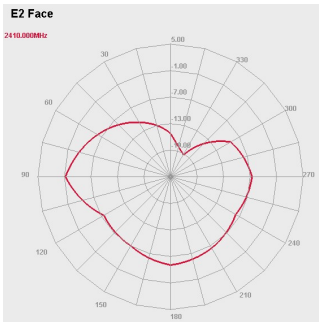
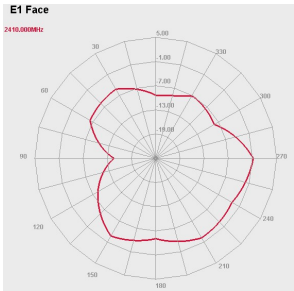
5.1 OTA PASSIVE TEST

Efficiency&Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	39.04	0.57
2410	39.33	0.44
2420	39.76	0.28
2430	45.04	0.64
2440	54.41	1.34
2450	61.68	1.89
2460	60.96	1.77
2470	67.45	2.09
2480	65.53	2.41
2490	68.27	2.13
2500	67.85	2.45

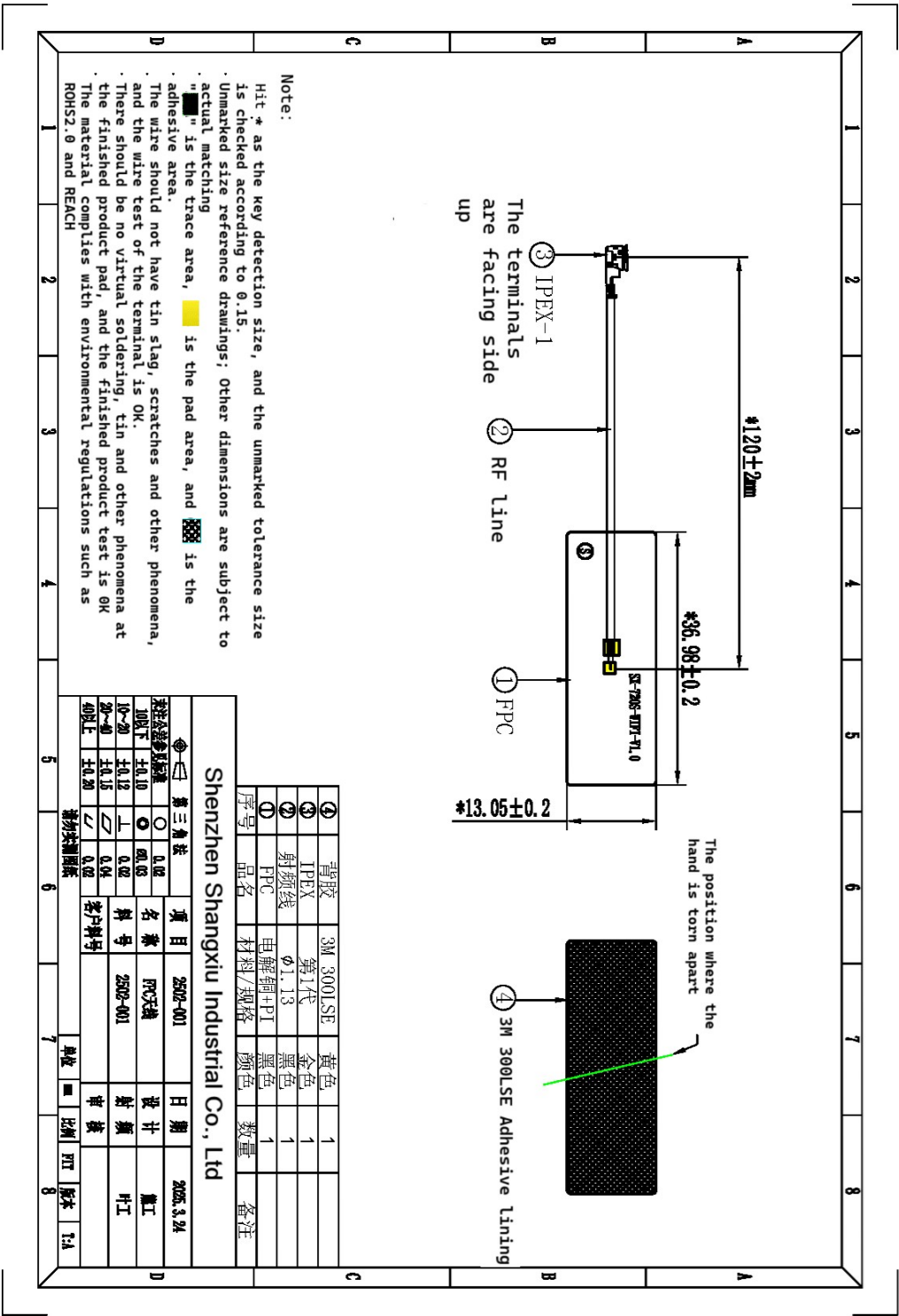
5.2 OTA PASSIVE TEST

2D 图	2D 图	2D 图
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6.1 Product layout drawing

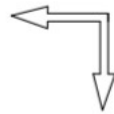


6.2 Physical diagram

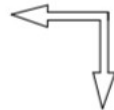


Product packaging

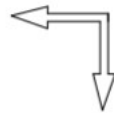
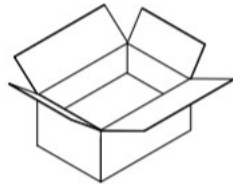
一: (Antenna products)



二: (Put them in PE bags, quantity is packed in (50 100pcs) ,
Subject to the actual situation



三: (Put the antenna in the carton)



四: (Seal the box and paste the production label and RoHS label on the outer box
(actual situation shall prevail))

