

AN CHUANG ZHI LIAN Electronics Co., Ltd

Company Address: 5F, L Building, Baicai Science and Technology Park, Bao'an 71st Zone, Bao'an District, Shenzhen City

Customer			
customer model	S7PRO		
material code			
product standard	AC-A1883-S7PRO-WIFI-V1. 4, line leader80mm,0.81Black coaxial line+IPEX2 upwards		
Version	A1.0		
manufacture date	2025.12.03		
Compiled	RF audit	Architecture Review Board	Approval/Seal
Ang Hu	Nang Zhao Ni		
The customer confirms and signs:			

Project basic information description:

Connector	built-in aerial
Antenna material	FPC+Coaxial cable
working frequency (MHz)	2400-2500/5100-5800

一、 Antenna testing equipment

1. 1 A physical image of the darkroom



Inside the darkroom

test instrument

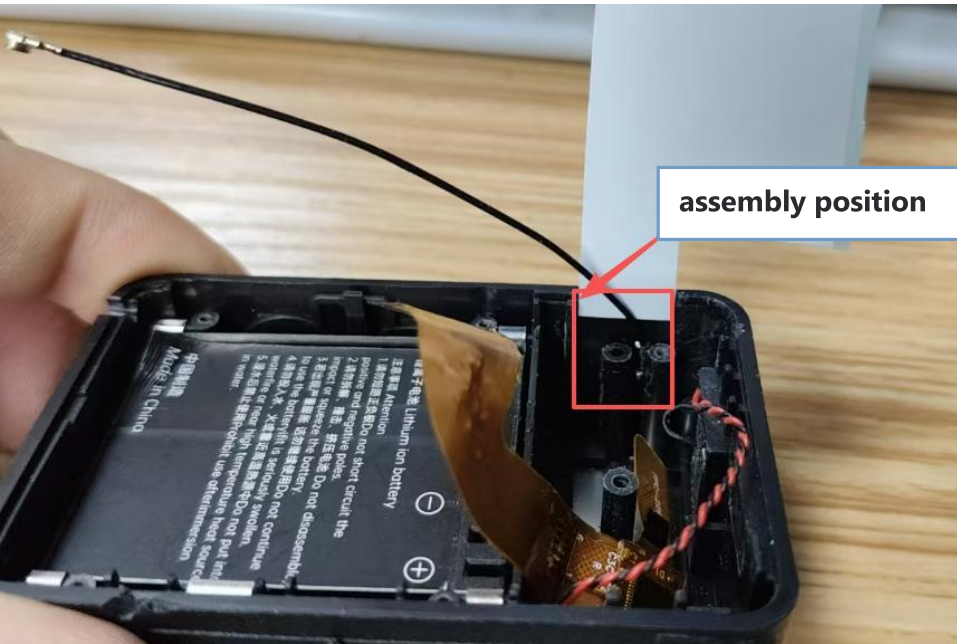
1. 2 testing environment

Test environment	XH-IOE MPS2440 Test System
Temperature	23℃
Humidity	52%
Air pressure	101KPa

二、 product drawing

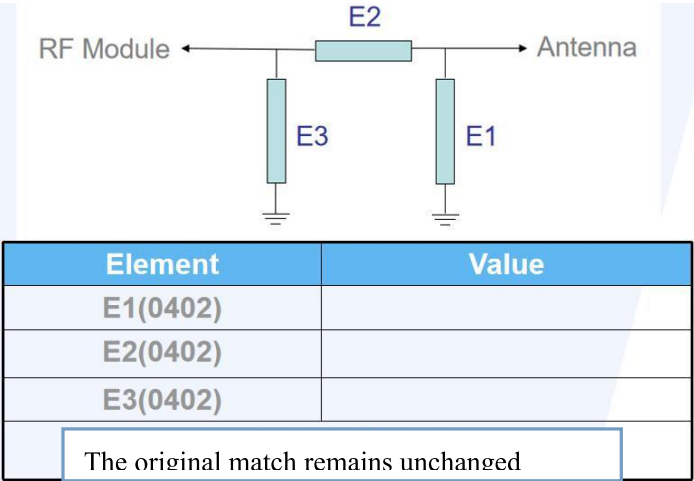


grinding machine



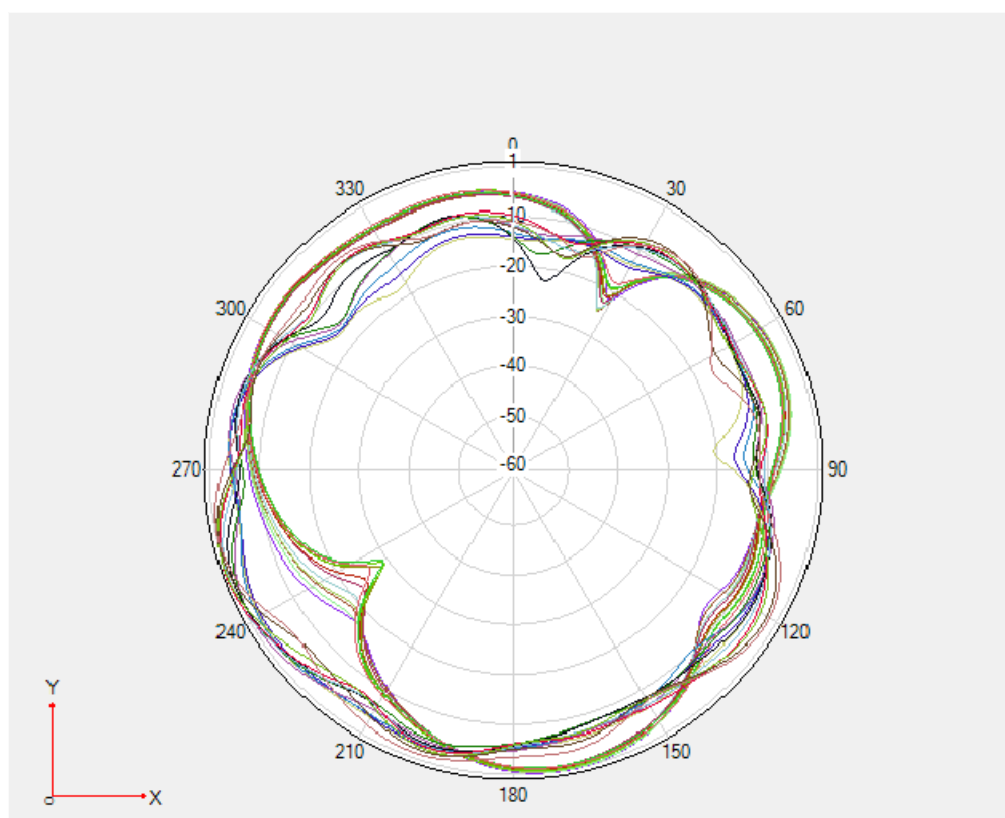
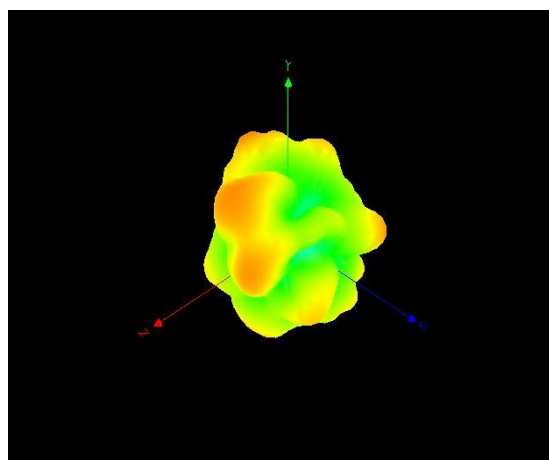
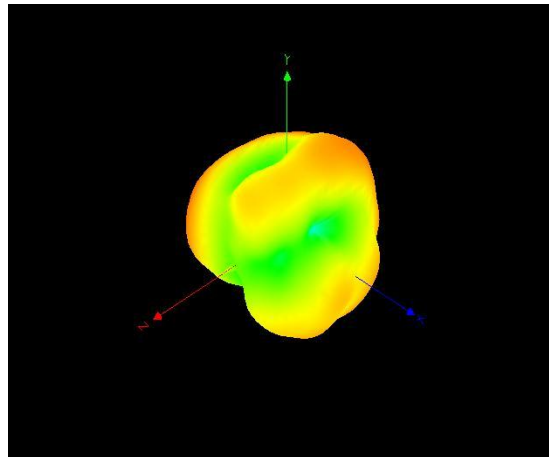
assembly position

三、 match circuit



四、test data

Frequency / MHz	Gain/ dBi	Efficiency / %
2400	2.02	34.59
2410	1.43	32.28
2420	1.87	33.19
2430	1.81	32.73
2440	1.31	29.72
2450	1.08	26.73
2460	1.07	27.99
2470	1.15	26.55
2480	1.03	28.25
2490	0.72	25.47
2500	0.7	26.85
5100	0.19	25
5170	0.62	24.27
5240	0.93	25.53
5310	0.97	27.93
5380	1.37	26.18
5450	2.56	29.72
5520	2.64	31.92
5590	2.89	31.84
5660	2.97	32.06
5730	2.66	30.55
5745	2.5	31.36
5800	2.06	32.96
5850	2.04	32.84



五、product structure diagram

