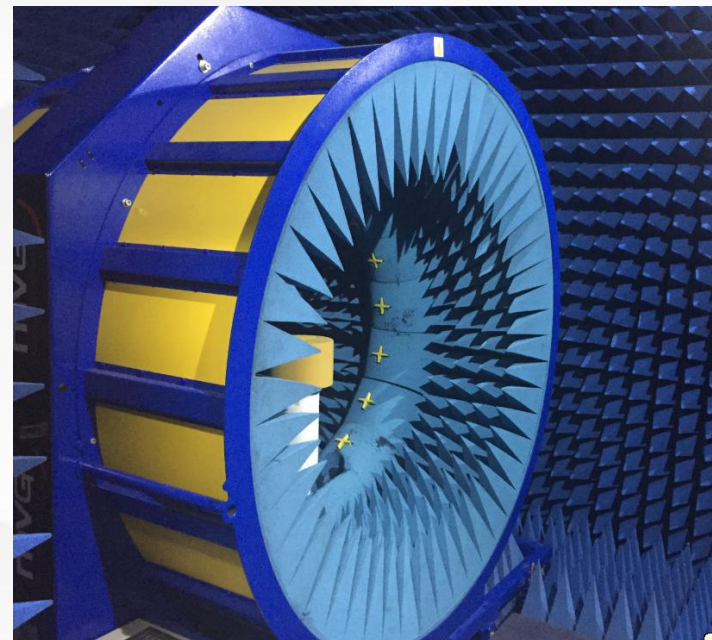


Antenna test repor

Client:zhouhai
Project name:H012
RF:PangGong
Date:2023.06.06
Version:V0.1

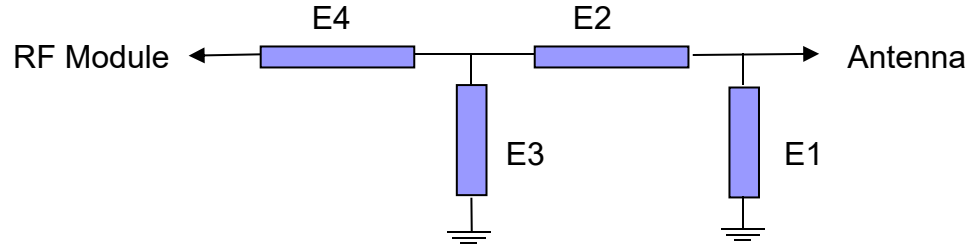
Laboratory testing environment and equipment



Test items	Test equipment
S11、S12、VSWR、LOSS	network analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16darkroom、GP7*4*3darkroom、E5071B
TRP、TIS	Satimo SG16darkroom、GP7*4*3darkroom、8960、CMW500、MT8820C、E4438C、

Type of complete machine	Adult bracelet				
	Frequency band information	antenna form	Matching	Gain (dBi)	
Antenna type and frequency band information	antenna	2400-2480M	IFA	NA	-3.46
Antenna material	FPC				

Suggested Matching Circuit



	Element	Value	Description of attached drawings
main	E1(0201)		
	E2(0201)	0Ω	
	E3(0201)		

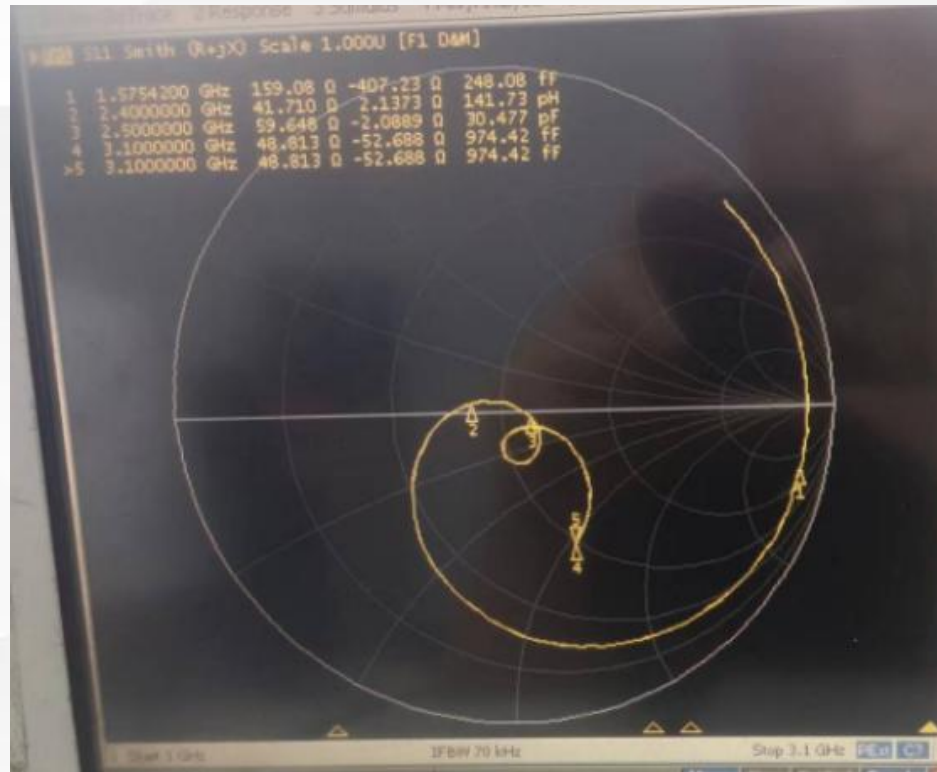
S11



S11



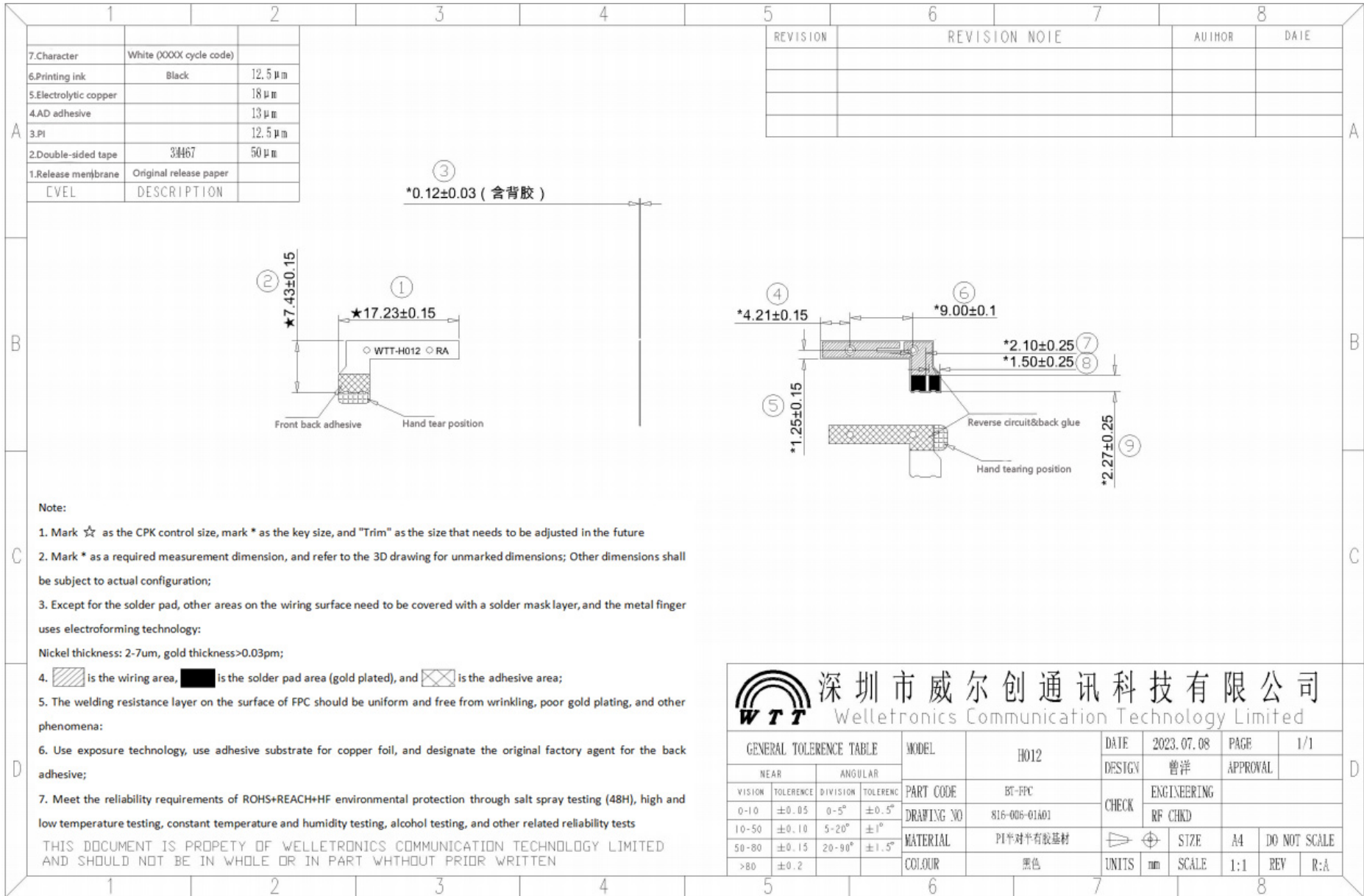
S11



Antenna Structure



Figure antenna structure



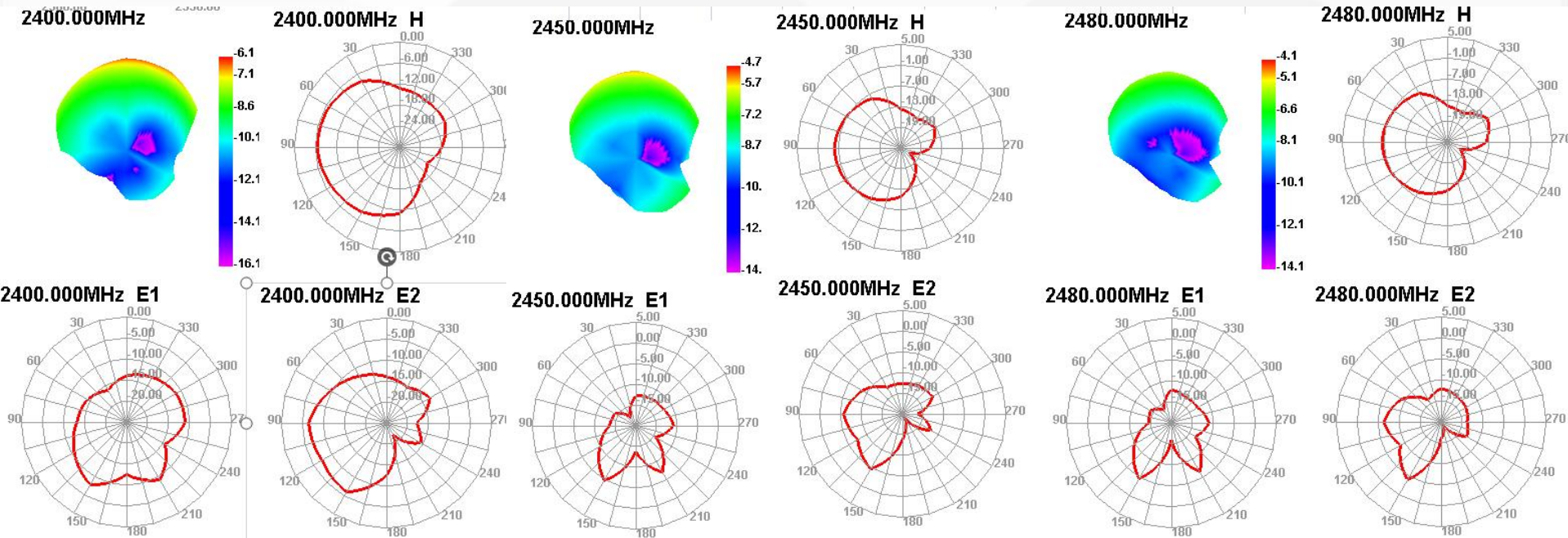
深圳市威尔创通讯科技有限公司
Welletronics Communication Technology Limited

GENERAL TOLERANCE TABLE				MODEL	H012	DATE	2023.07.08	PAGE	1/1	
NEAR		ANGULAR		PART CODE	BT-FPC	DESIGN	曾洋	APPROVAL		
VISION	TOLERANCE	DIVISION	TOLERANCE							
0-10	±0.05	0-5°	±0.5°	DRAWING NO	816-006-01A01	CHECK	RF CHKD	ENGINEERING		
10-50	±0.10	5-20°	±1°					RF CHKD		
50-80	±0.15	20-90°	±1.5°	MATERIAL	PI半导电有机基材	UNITS	mm	SIZE	A4	DO NOT SCALE
>80	±0.2			COLOUR	黑色			SCALE	1:1	REV

Passive Efficiency

Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	8.23	-10.85	-3.46
2410	8.46	10.73	-5.22
2420	8.05	-10.94	-5.97
2430	8.45	-10.73	-5.49
2440	9.34	-10.29	-4.89
2450	9.46	-10.24	-4.68
2460	9.42	-10.26	-4.51
2470	8.84	-10.53	-4.49
2480	9.12	-10.4	-4.1
2490	9.18	-10.37	-3.63
2500	9.38	-10.28	-3.29

Radiation Pattern



Contact Information

RF : Pang Gong

Tel : 13819148423

E-mail : kpsyanfa3@szkpstx.com

Supplier address: 2nd Floor, Building 1, Yulong Building, Longcheng Industrial Zone, No.440, Longguan Avenue, Longhua District, Shenzhen