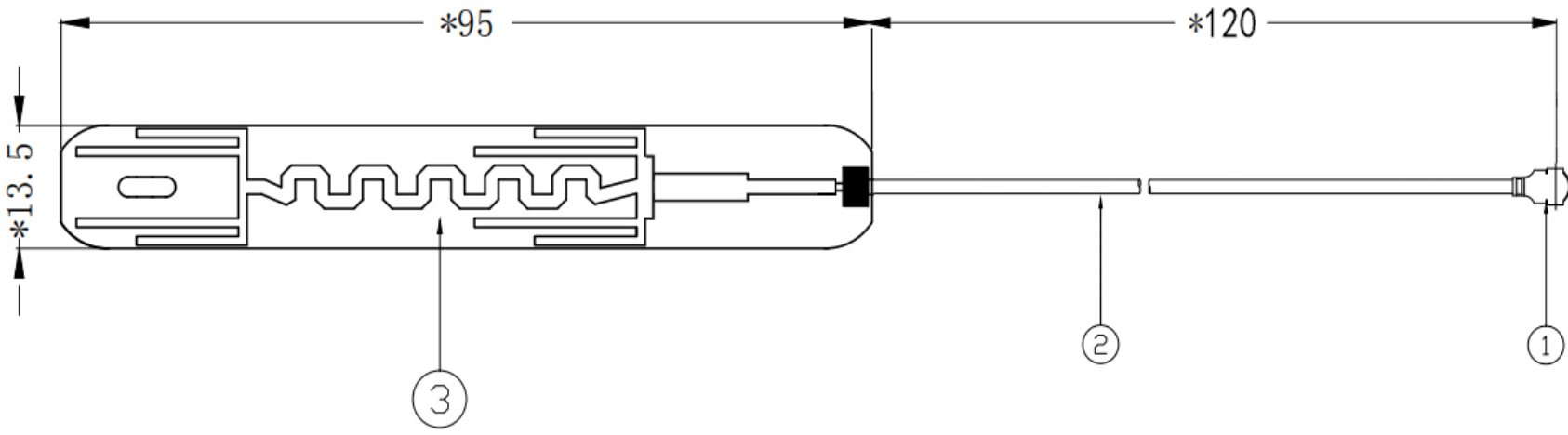


List of recognition items

NO.	内容 (Contents)	页数 (Number of Page)	页码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	电性测试报告 (Test Reports)	1	4
5	S 参数测试 (S Parameter)	1	5
6	增益测试 (Gain Test)	1	6
7			
8			
9			
10	-	-	-
11	-	-	-
12	-	-	-

SIGN	DATE	DESCRIPTION	APPROVER

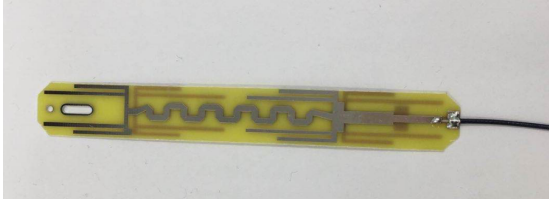


3	NB0200	PCB	PCB 95*13.5*T0.6mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

Dongguan Subo Electronics Co., Ltd.				
TITLE: 2.4GHz 5GHz 5.8GHz Antenna				
PART NO.:WP9514-113B-120LX-IPEX			DWG NAME: NB0200-113B-120LX-IPEX.DWG	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
jeff 2015-11-06	leon 2015-11-06	YD 2015-11-06	UNITS: mm	X.X 0.20
			SCALE: 1/1	X.XX 0.10
			REVISION: A	XA 0.05

电性测试报告

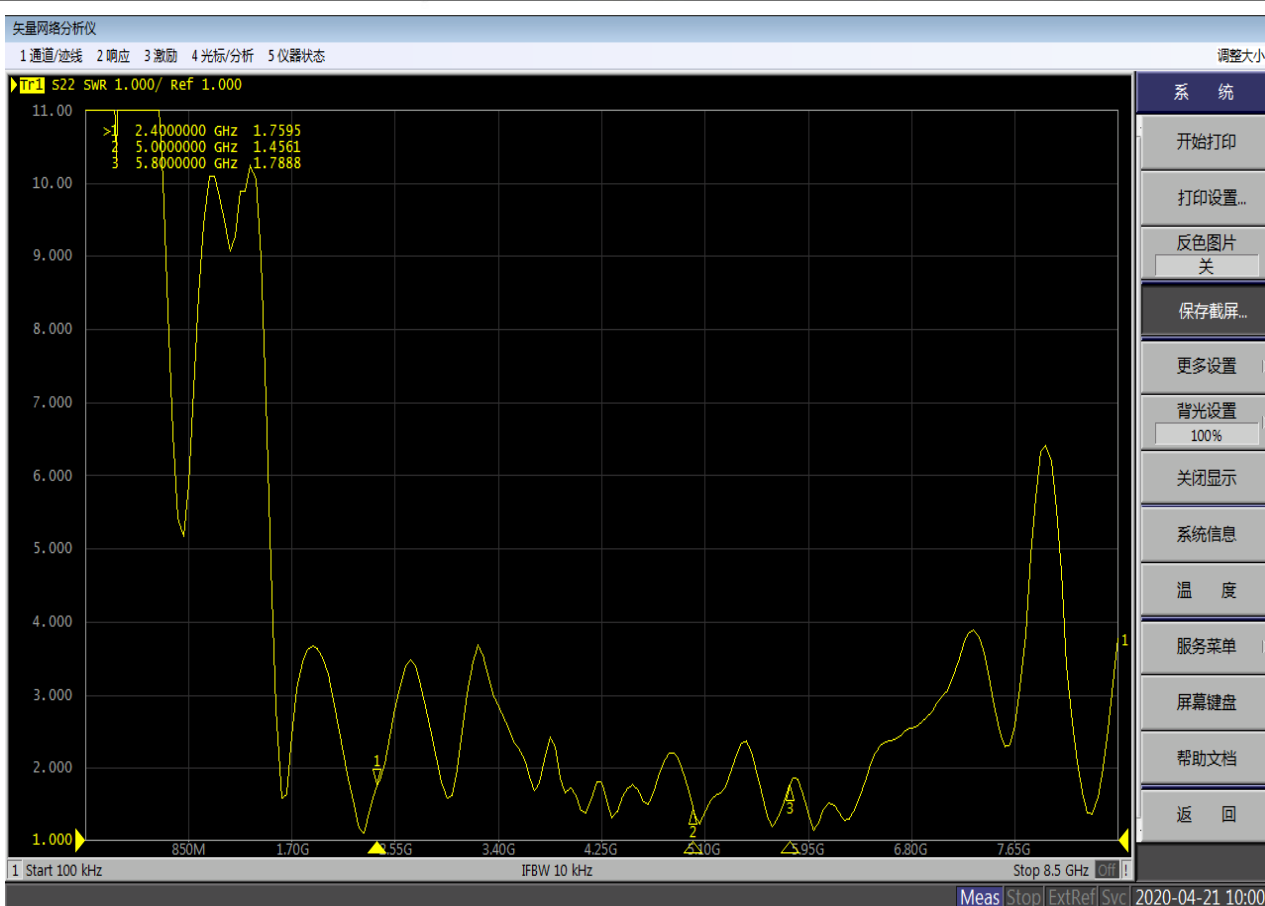
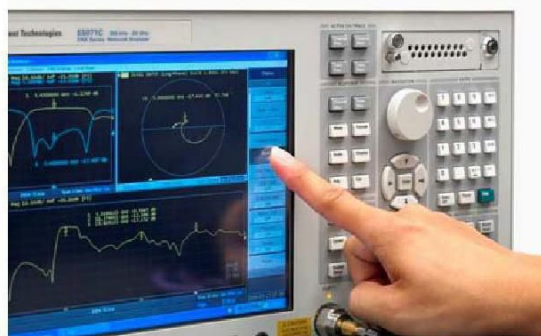
Test Reports

Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz 4900 ~ 5900 MHz
S.W.R.	≤ 2
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Cable Loss	4.9 dB / m Max @ 5000 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	IPEX
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 1.8mm // 150 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C

S 参数测试

S Parameter Test

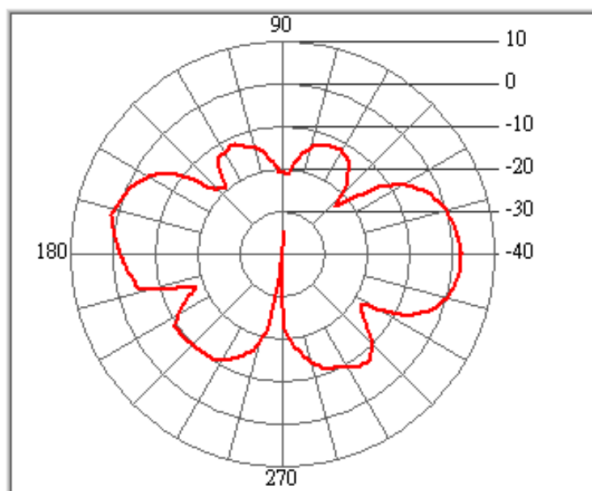
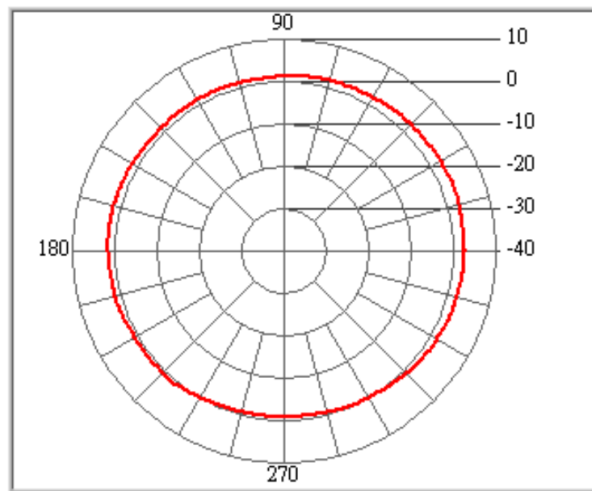
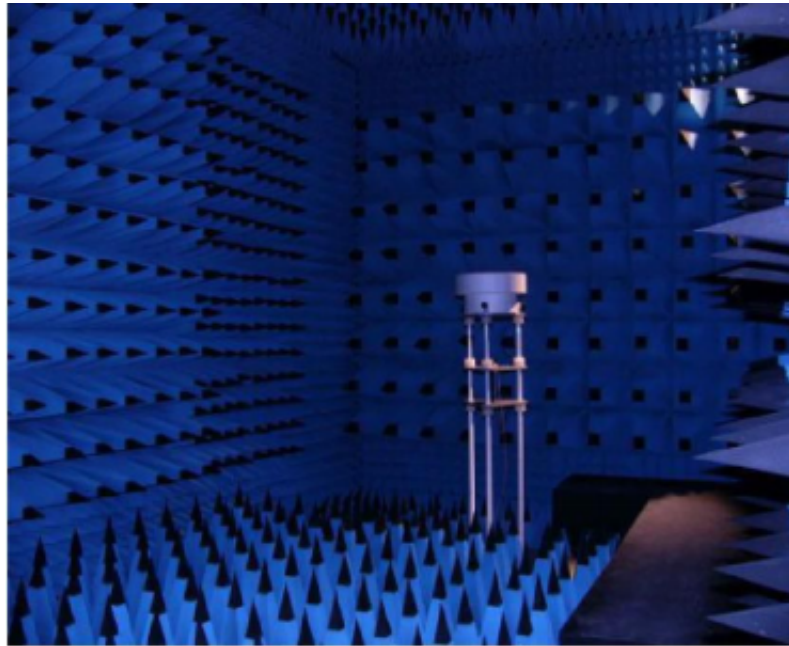
Agilent E5071C



增益测试

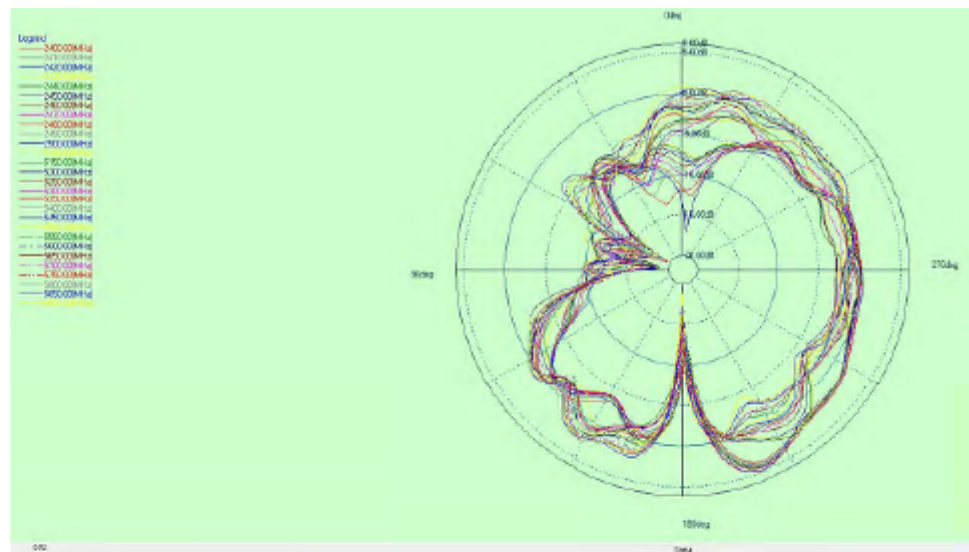
Gain Test

*Antenna
Radiation
Pattern
VS
Gain*

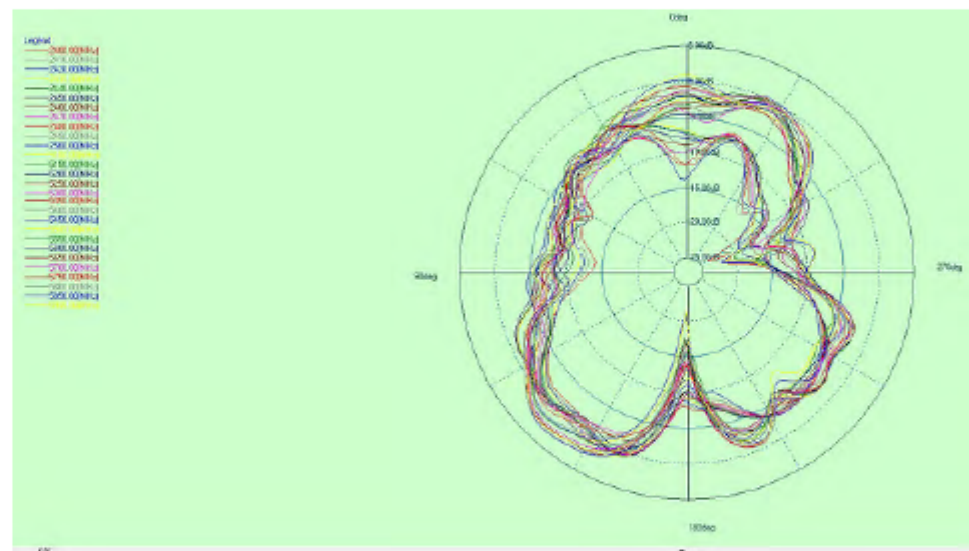


Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	3.72	48.96
2410.0	3.92	49.28
2420.0	4.07	49.68
2430.0	4.17	50.68
2440.0	4.29	51.65
2450.0	4.25	52.05
2460.0	4.40	52.55
2470.0	4.66	53.66
2480.0	4.81	53.59
2490.0	4.76	52.59
2500.0	4.74	51.50
5150.0	2.75	50.61
5200.0	2.48	49.39
5250.0	2.21	48.62
5300.0	2.51	48.86
5350.0	2.58	50.42
5400.0	2.63	51.51
5450.0	2.64	54.79
5500.0	2.68	55.91
5550.0	2.50	56.14
5600.0	2.51	57.01
5650.0	2.89	59.45
5700.0	2.68	59.21
5750.0	3.13	59.11
5800.0	3.42	59.29
5850.0	3.67	60.60

$\Phi=0$



$\Phi=90$



$\Theta=90$

