

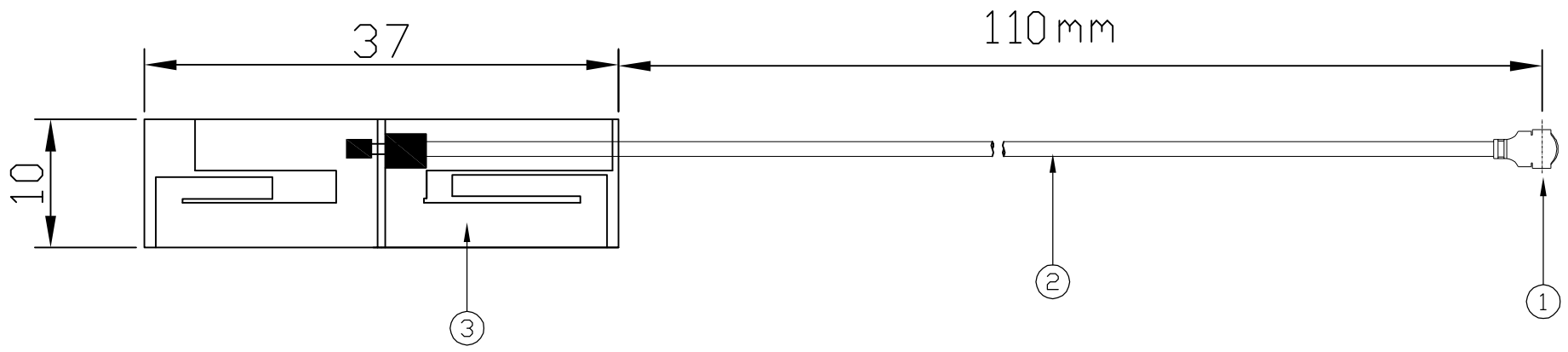
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# 产品承认书

# 承认书项目表

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3	MX2458N-A01	FPC	FPC 37*10*0.1mm	1
2	R-CB-113B	Coaxial Cable	O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

**东莞市创捷电子有限公司**

TITLE: 2.4G 5G 5.8G Antenna

PART NO.: MX2458N-113B-110LX      DWG NAME:

APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance	
jeff 2014-03-18	leon 2014-03-18	YD 2014-03-18		X.X ±0.20	
				UNITS: mm	X.XX ±0.10
				SCALE: 1/1	X° ±3°
			REVISION: A		

# 电性测试报告

## Test Report

### Sample Photo



### Electrical Characteristics

Frequency	2400 ~ 2480 MHz
S.W.R	$\leq 2.0$ @ 2400 ~ 2500 MHz
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Peak Gain(dBi)	2.44
Polarization	Linear
Admitted Power	1W
Connector	IPEX MHF 1

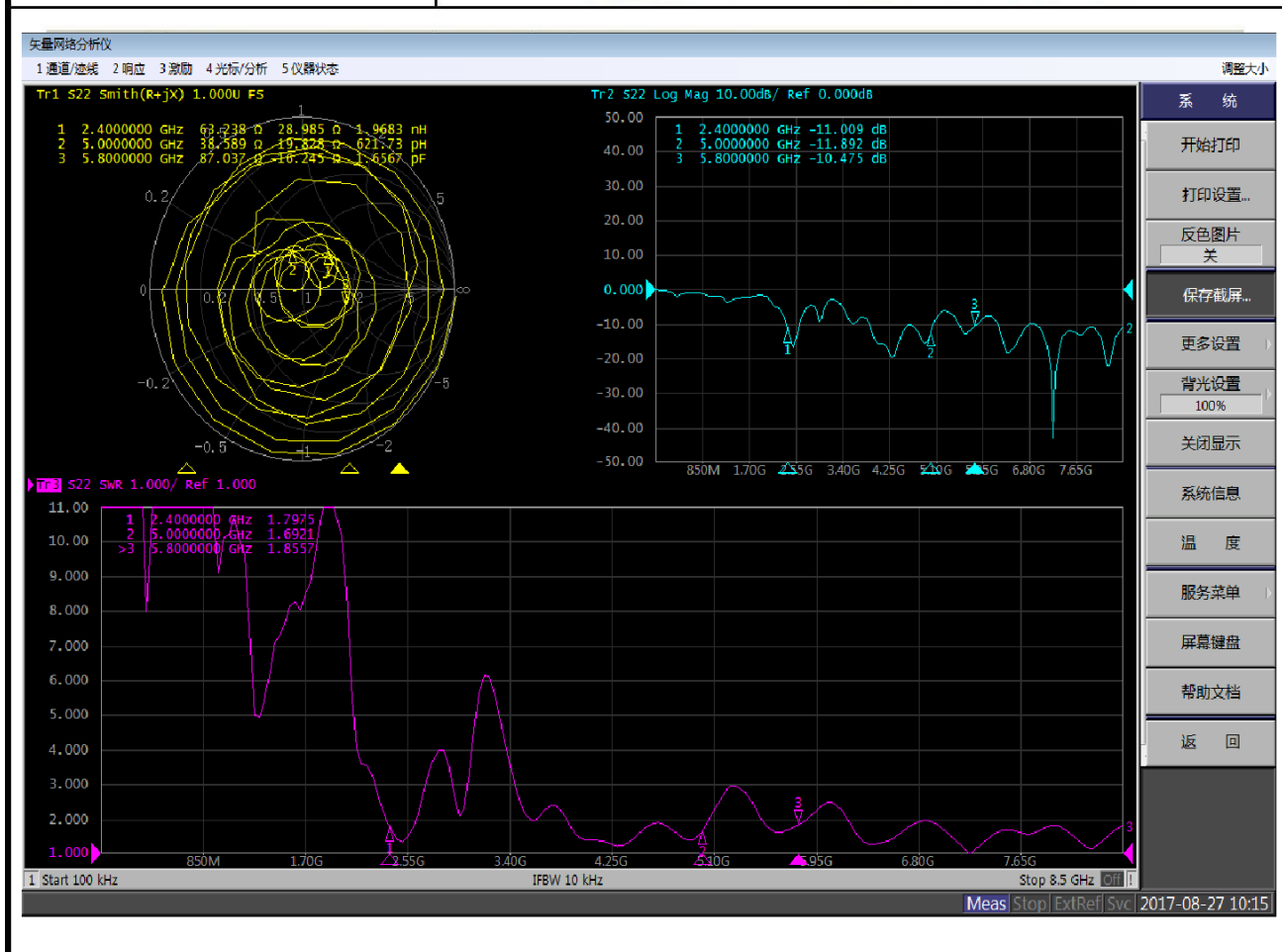
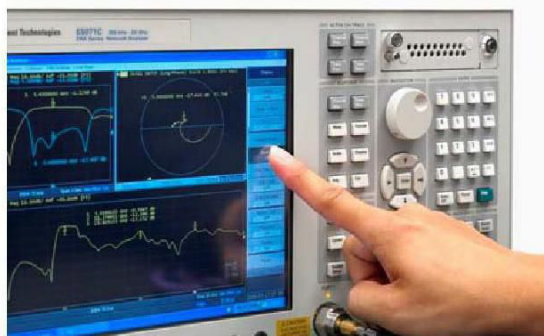
### Physical Properties

Antenna Material	FPC
Cable Type	O.D. 1.13mm // 50 mm
Operating Temp.	-10~+60°C
Storage Temp.	-10~+70°C

# S 参数测试

## S Parameter Test

*Agilent E5071C*



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## 增益测试

### Gain Test

Freq.(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Peak Gain(dBi)	2.44	2.42	2.39	2.35	2.32	2.27	2.22	2.17	2.1
Peak Degree	6	6	8	8	8	8	10	10	10
AV Gain(dBi)	1.57	1.54	1.46	1.42	1.37	1.31	1.21	1.13	1.05

# 3D 天线增益图

## 3D antenna pattern

