



Fuzhou Jielei Electronic Technology Co., Ltd.
Fuzhou JieLei Electronic Technology Co.,Ltd.

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Specifications Specification

client's name:

CUSTOMER:

Fuzhou Jinweihang Information Technology Co., Ltd.

Customer part number:

CUSTOMER P/N:

Customer Product Name:

DESCRIPTION:

JieLei material number:

P/N:

Jie Lei product name:

PART NO:

spring antenna;V1.0

approve	review	prepared by
Frank	WenSen	Sean
2019.07.29	2019.07.29	2019.07.29

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Version description

date	approve	Version	describe
2019-07-29		V1.0	first edition



1. Electrical Performance

A.Electrical Characteristics	
S.W.R.	<2.0@530-580MHz
Frequency Range(MHz)	530-580MHz
Impedance	50 Ohms
Gain	MAX:-2.32dBi@530-580MHz
B.Material	
Phosphor bronze nickel plating	
C.Environmental	
Operation Temperature	- 20°C~65°C
Storage Temperature	

2. Measurement Setup

(1)Reflection coefficient Measurement:

(a)**Instrument:**Network Analyzer

(b)**Setup:**

(I) Calibrate the Network Analyzer by one port calibration using Agilent calibration kits.

(II) Connect the antenna under test to the Network Analyzer

(III) Measure the S11 (reflection coefficient) shown in Fig.1

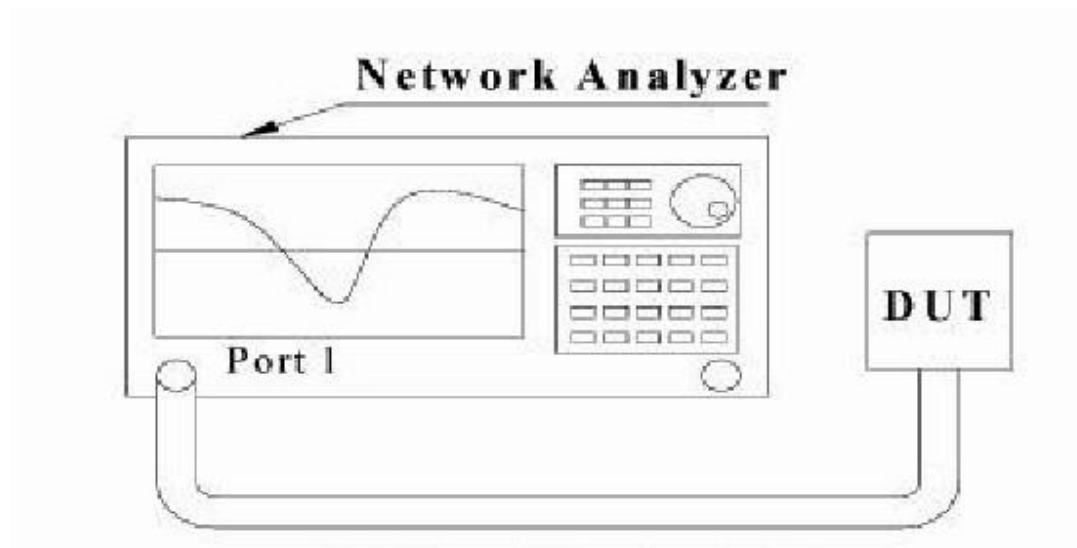


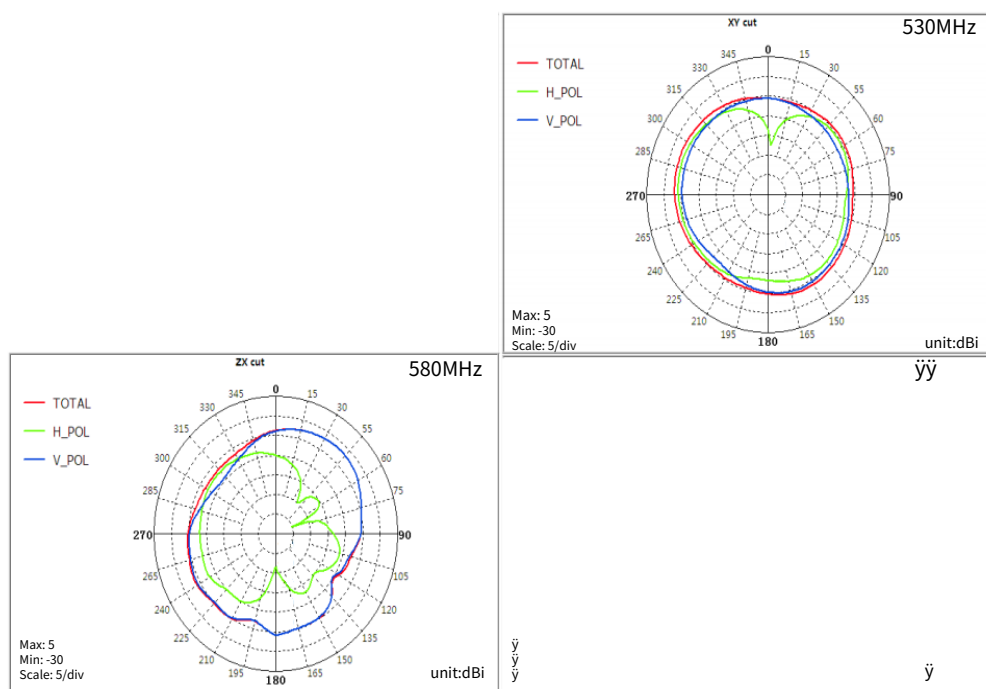
Fig.1 Measure S11 on Network Analyze



天线增益与效率
Antenna gain and efficiency

天线		
Freq (MHz)	Efficiency (%)	Gian(dBi)
530 MHz	14.15	-3.28
580 MHz	18.88	-2.32

天线辐射方向图
Antenna Radiation Pattern





3. Mechanical Dimension Drawing

