



规格书 Specification

客户名称:

CUSTOMER:

福州金威航信息科技有限公司

客户料号:

CUSTOMER P/N:

客户品名:

DESCRIPTION:

捷雷料号:

P/N:

捷雷品名:

PART NO:

弹簧天线; V1.0

核准	审核	编制
Frank	WenSen	Sean
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目录

1. Electrical Performance.....	3
2. Measurement Setup.....	4
2.1 测试设备.....	5
3. Mechanical Dimension Drawing.....	6

版本描述

日期	批准	版本	描述
2019-07-29		V1.0	初版



1. Electrical Performance

A.Electrical Characteristics	
S.W.R	<2.0@570-588MHz
Frequency Range(MHz)	570-588MHz
Impedance	50 Ohm
Gain	MAX: -2.09dBi@570-588MHz
B.Material	
磷铜镀镍	
C.Environmental	
Operation Temperature	-20℃~65℃
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

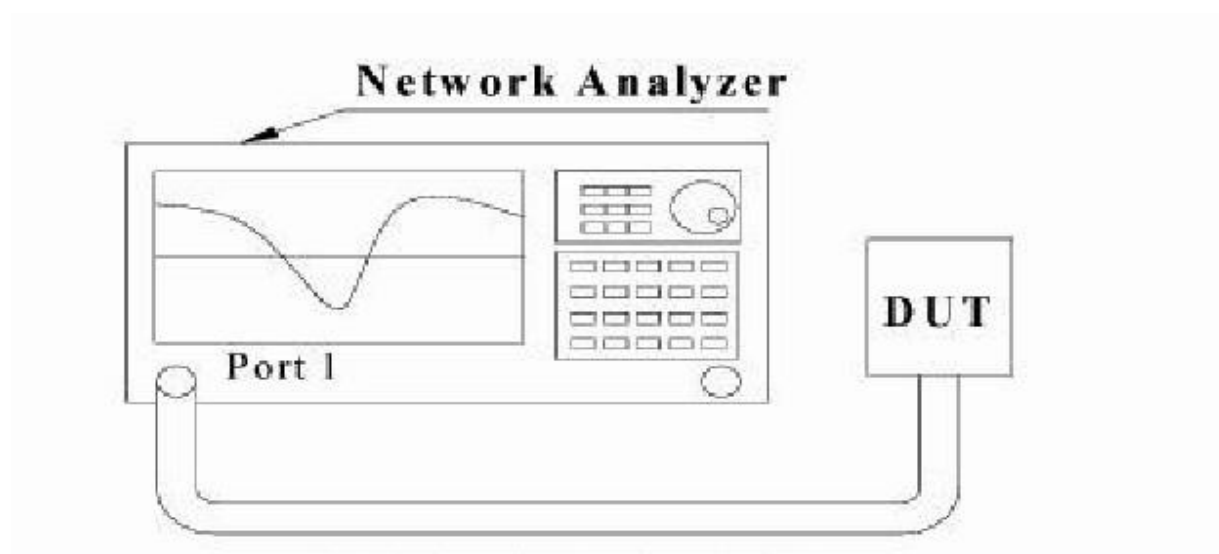


Fig.1 Measure S11 on Network Analyze



福州捷雷电子科技有限公司

Fuzhou JieLei Electronic Technology Co.,Ltd.

天线增益与效率

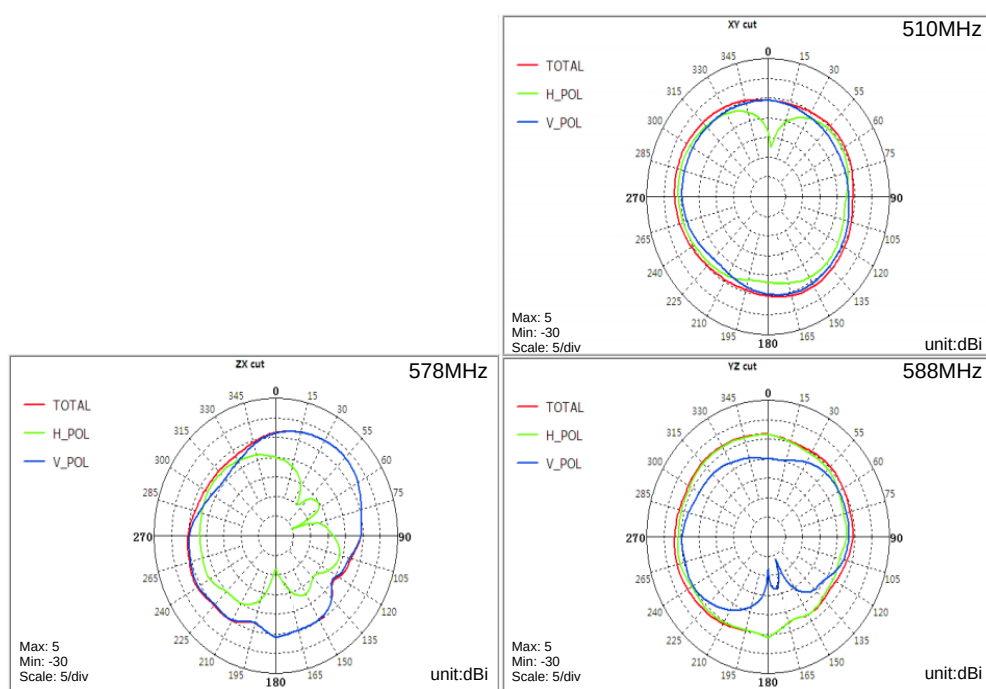
Antenna gain and efficiency

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天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
570 MHz	15.67	-3.19
572 MHz	14.83	-3.17
574 MHz	14.14	-3.24
576 MHz	16.41	-2.53
578 MHz	18.13	-2.09
580 MHz	15.75	-2.71
582 MHz	13.69	-3.4
584 MHz	11.57	-4.23
586 MHz	10.37	-4.89
588 MHz	9.25	-5.34

天线辐射方向图

Antenna Radiation Pattern





3. Mechanical Dimension Drawing

