



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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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@510-560MHz
Frequency Range(MHz)	510-560MHz
Impedance	50 Ohm
Gain	MAX: -2.32dBi@510-560MHz
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

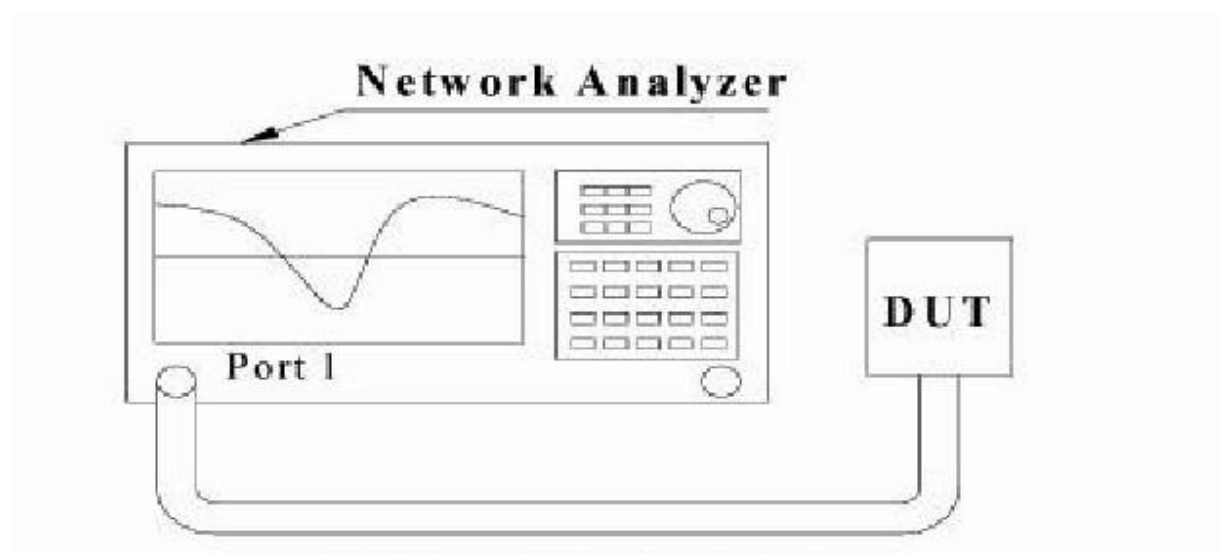


Fig.1 Measure S11 on Network Analyze



天线增益与效率

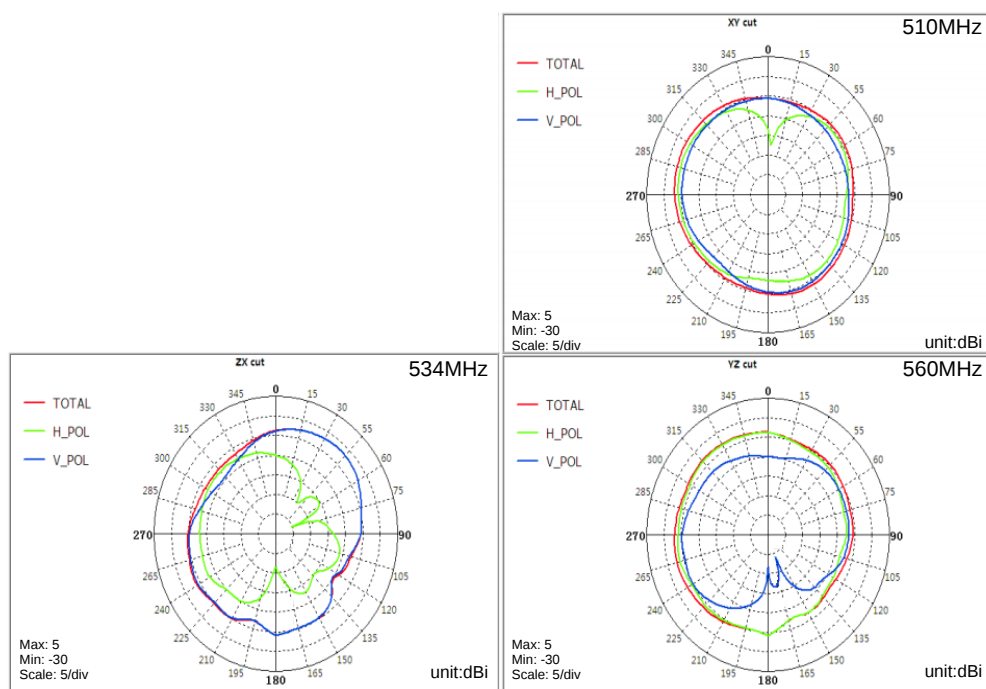
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Antenna gain and efficiency

天线		
Freq (MHz)	Efficiency (%)	Gian(dBi)
510 MHz	14.15	-3.28
516 MHz	13.54	-2.87
522 MHz	14.65	-3.56
528 MHz	16.24	-2.87
534 MHz	18.88	-2.32
540 MHz	15.64	-2.54
546 MHz	13.17	-3.41
552 MHz	12.48	-4.64
558 MHz	10.21	-3.55
560 MHz	9.68	-4.34

天线辐射方向图

Antenna Radiation Pattern





3. Mechanical Dimension Drawing

