



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:

564MHz 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@560-570MHz
Frequency Range(MHz)	570-600MHz
Impedance	50 Ohm
Gain	MAX: -2.71dBi@560-570MHz
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

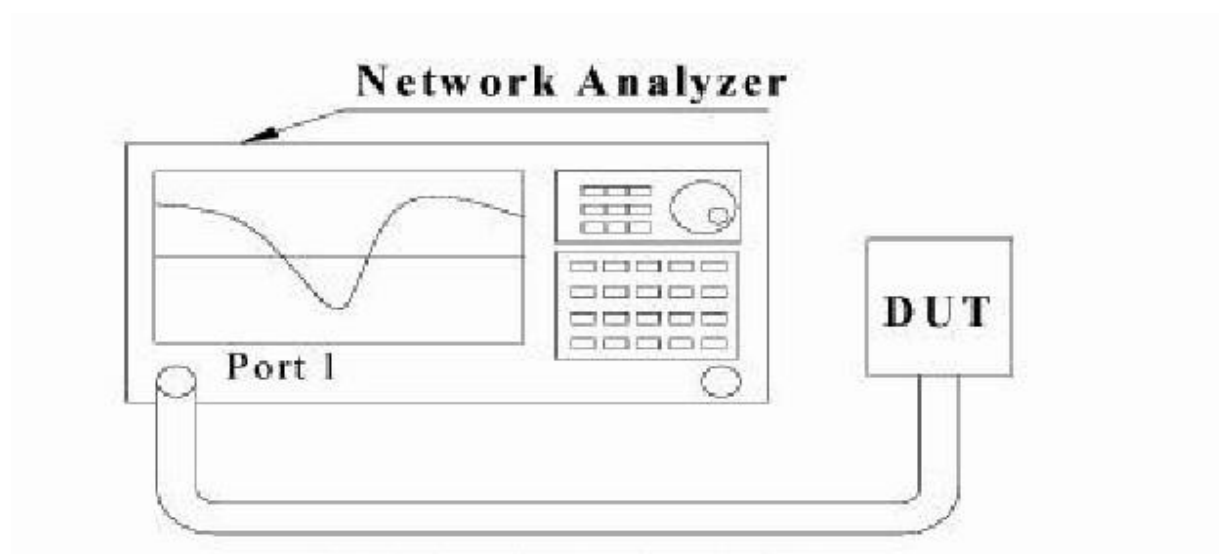


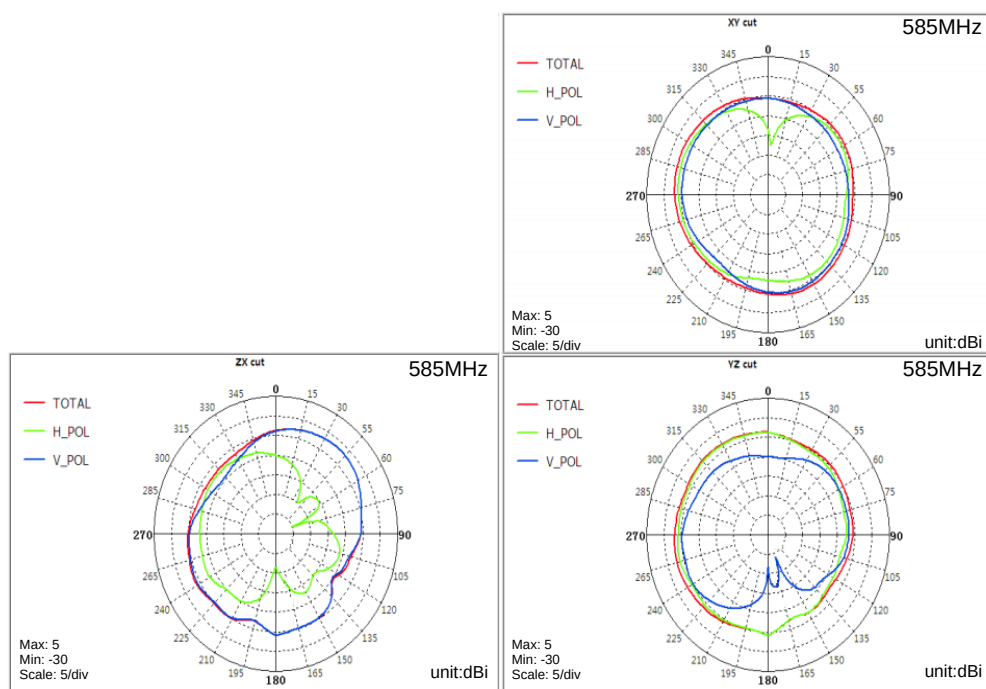
Fig.1 Measure S11 on Network Analyze



天线增益与效率 Antenna gain and efficiency

天线		
Freq (MHz)	Efficiency (%)	Gian (dBi)
550 MHz	15.67	-3.19
555 MHz	14.83	-3.17
560 MHz	14.14	-3.24
565 MHz	16.41	-2.83
570 MHz	18.13	-2.89
575 MHz	15.75	-2.71
580 MHz	13.69	-3.41
585 MHz	11.57	-4.23
590 MHz	10.37	-4.89
595 MHz	9.25	-5.34
600 MHz	8.74	-5.63

天线辐射方向图 Antenna Radiation Pattern





3. Mechanical Dimension Drawing

