Specification

CUSTOMER:

CUSTOMER P/N:

DESCRIPTION: Spring Antenna

P/N: BT-58

PART NO: ; V1.0

Frank	WenSen	Sean
2019.07.29	2019.07.29	2019.07.29

Manufacturer: Fuzhou JieLei Electronic Technology Co., Ltd
Address: C1, Zone C, R&F Center, South of Shangpu Road, Ninghua Street, Taijiang District, Fuzhou City, Fujian Province

Connet

1. Electrical Performance

A.Electrical Characteristics	
S.W.R	＜2.0@550-570MHz
Frequency Range(MHz)	550-570MHz
Impedance	50 Ohm
Gain	MAX：-2.71dBi@550-570MHz
B.Material	
Phosphorus copper nickel plating	
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

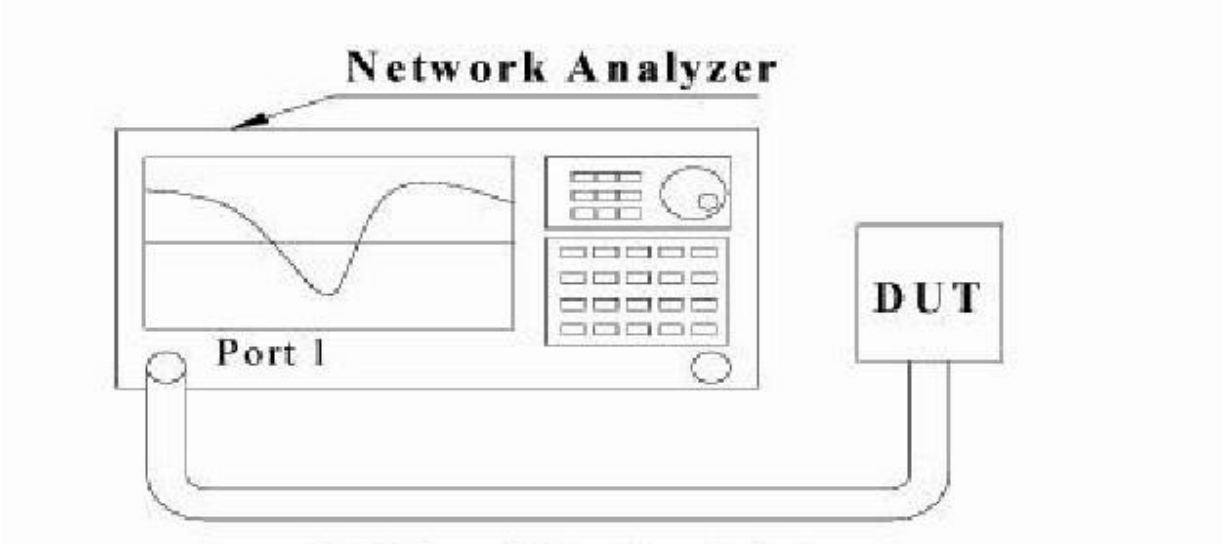
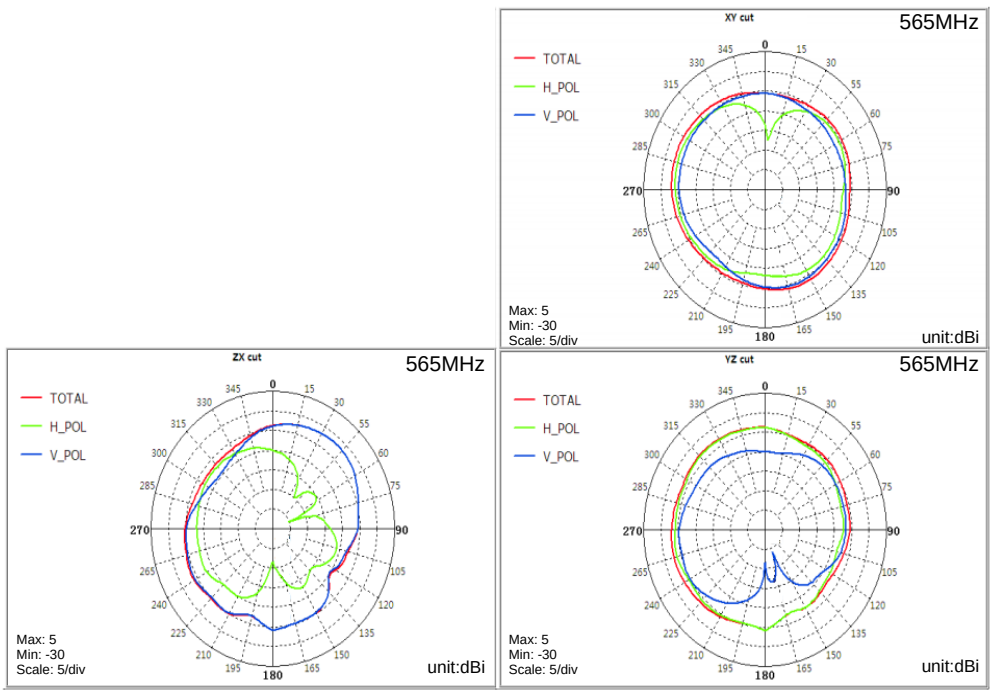


Fig.1 Measure S11 on Network Analyze

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
563 MHz	16.41	-2.83
564 MHz	18.13	-2.89
565 MHz	15.75	-2.71
566 MHz	13.69	-3.41
567 MHz	11.57	-4.23
568 MHz	10.37	-4.89
569 MHz	9.25	-5.34
570 MHz	8.74	-5.63

天线辐射方向图
Antenna Radiation Pattern



3. Mechanical Dimension Drawing