天线样品承认书
Antenna sample recognition

客户 Customer:鼎智通讯	日期 Date:2022-07-13
物料型号	Internal Antenna
物料编码 Material code:P-A26-66A-E-1-2A	物料颜色 Material color:黑色 Black
天线结构 Antenna structure: Three-in-one antenna welding coaxial cable	天线料号 Antenna material No.: 3-in-1 Antenna Assembly: P-A26-66A-E-1-2A

变更记录栏 Change record column

编制/变更日期 Formulation/change date	变更理由 Change reason	变更内容 Content of Change	版本 Version
2022/7/13	新版本发行 New version released		V1.0

品质 Quality	结构 MD	射频 RF	核准 Approved by

客户确认栏 Customer confirmation column

品质 Quality	结构 MD	电子 Electronics	核准 Approved by

客户料号Customer material No.:

1 Material Code: 40600000121

2 _____

3 _____

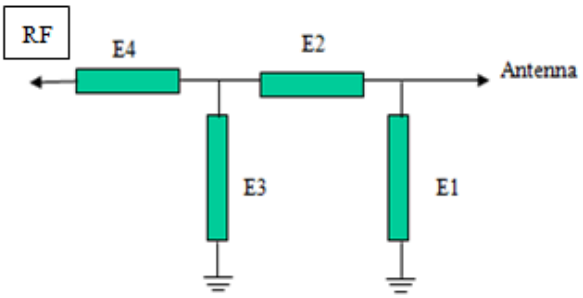
客户要求Customer requirements: :

Shenzhen Anvert Electronics Co., Ltd. Address: Room 302, Block B, Hong Kong-Shenzhen Innovation Park, No. 40, Huaning Road, Dalang Street, Longhua District, Shenzhen City Room 703, No. 2, Lane 123, Shenmei Road, Zhoupu Town, Pudong New Area, Shanghai

Tel. : 0755-27888203 Fax: 0755-27888450 Website: www.anfutesz.com

1. antenna matching circuit

Element	E1	E2	E3	E4
Value	0.5PF	0Ω		



2. Antenna picture

The report mainly provides the test status of the electrical properties

parameters of The antenna is a 2.4-2.5GHz Band .

The antenna Picture and assembly are shown below.



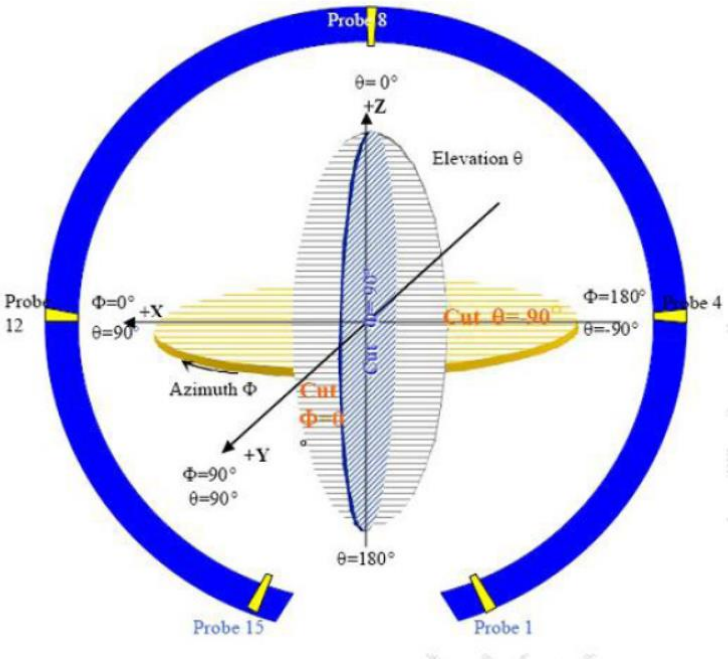
size specification 1.5cm *1 cm

3.Antenna Test Equipment Introduction

Test of antenna input characteristics using Agilent E5071C network analyzer; The radiation pattern of the antenna are tested using the Satimo starlab

3D near field Anechoic Chamber , and the instrument is used to CMW500

The test coordinates of the darkroom are as follows:



4.Electrical Specification

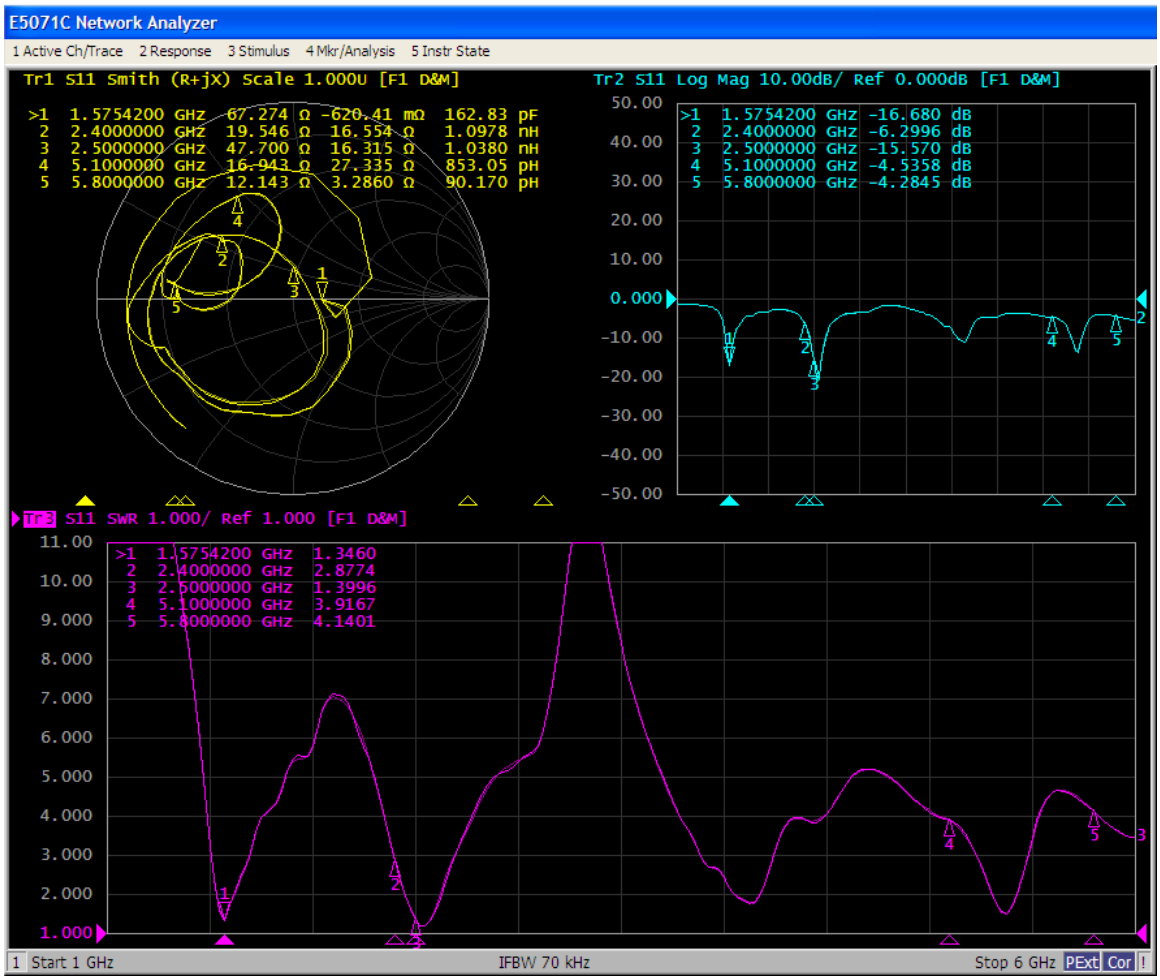
4-1 Frequency Requirements

2.4-2.5GHz Resonate in this frequency band.

4-2 Passive S11 parameter

Measuring Method is a 50Ωcoaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal

at least 20cm



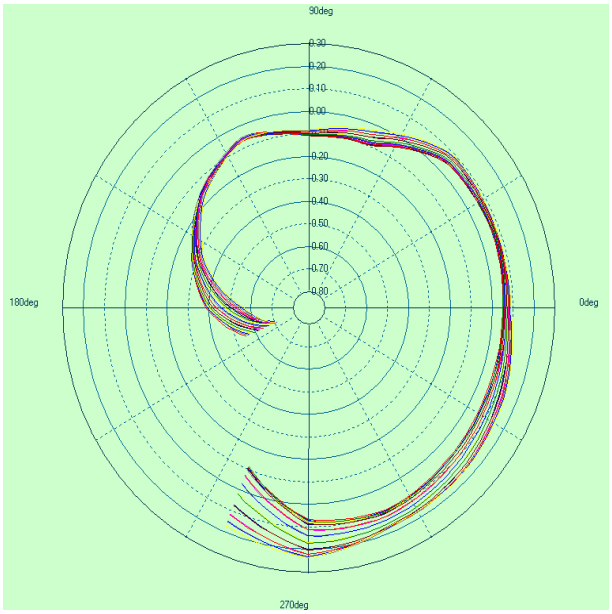
VSWR

Frequency	1575	2400	2500	5100	5800
VSWR	1.34	2.87	1.39	3.91	4.14

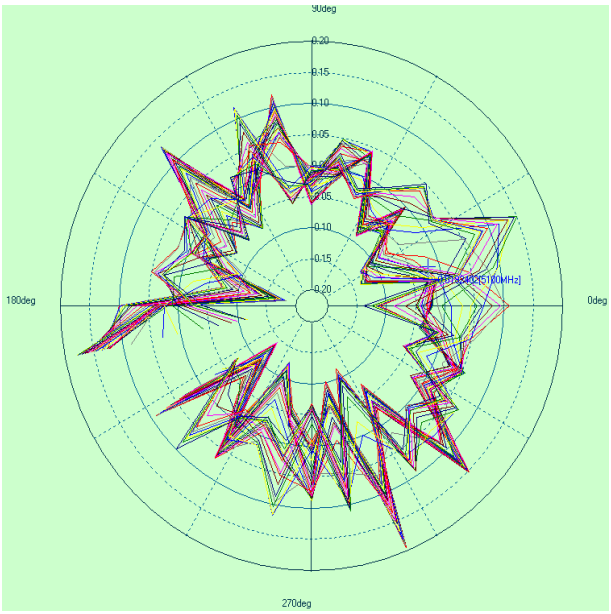
4-3 Efficiency and Gain Value:

Freq.	EFF(%)	Peak(dBi)
2400	33.94	1.87
2500	42.21	2.5

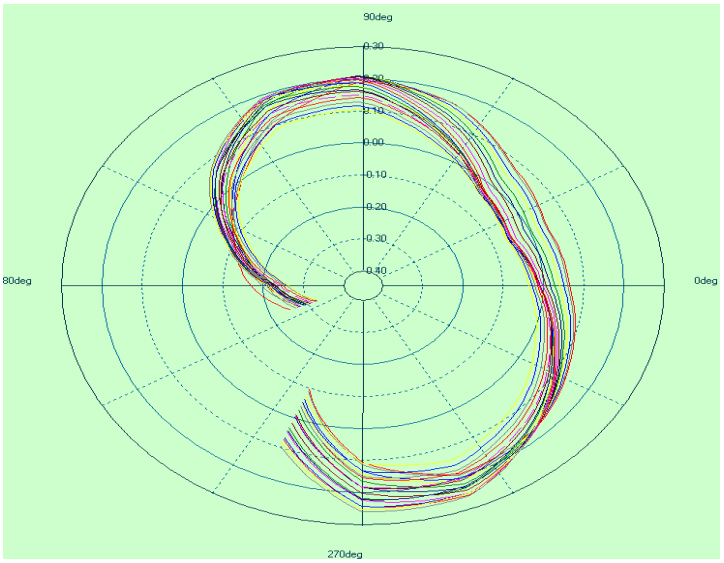
4-4 2D Pattern



X-Z Plane



Y-Z Plane



X-Y Plane