

Dongguan Lixinwei Electronics Co., Ltd
79 Tonggu 3rd Street, Xian Village, Dalang
Town, Dongguan City, China

Antenna Specification for Approval

Customer Name: Languang Electronics

Product Name: 2.4G Copper Tube Antenna, Total
Length 120, Black

Product Name:

Part NO.: C113H-BT450-120

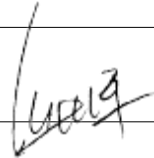
Write By: Zhou Min

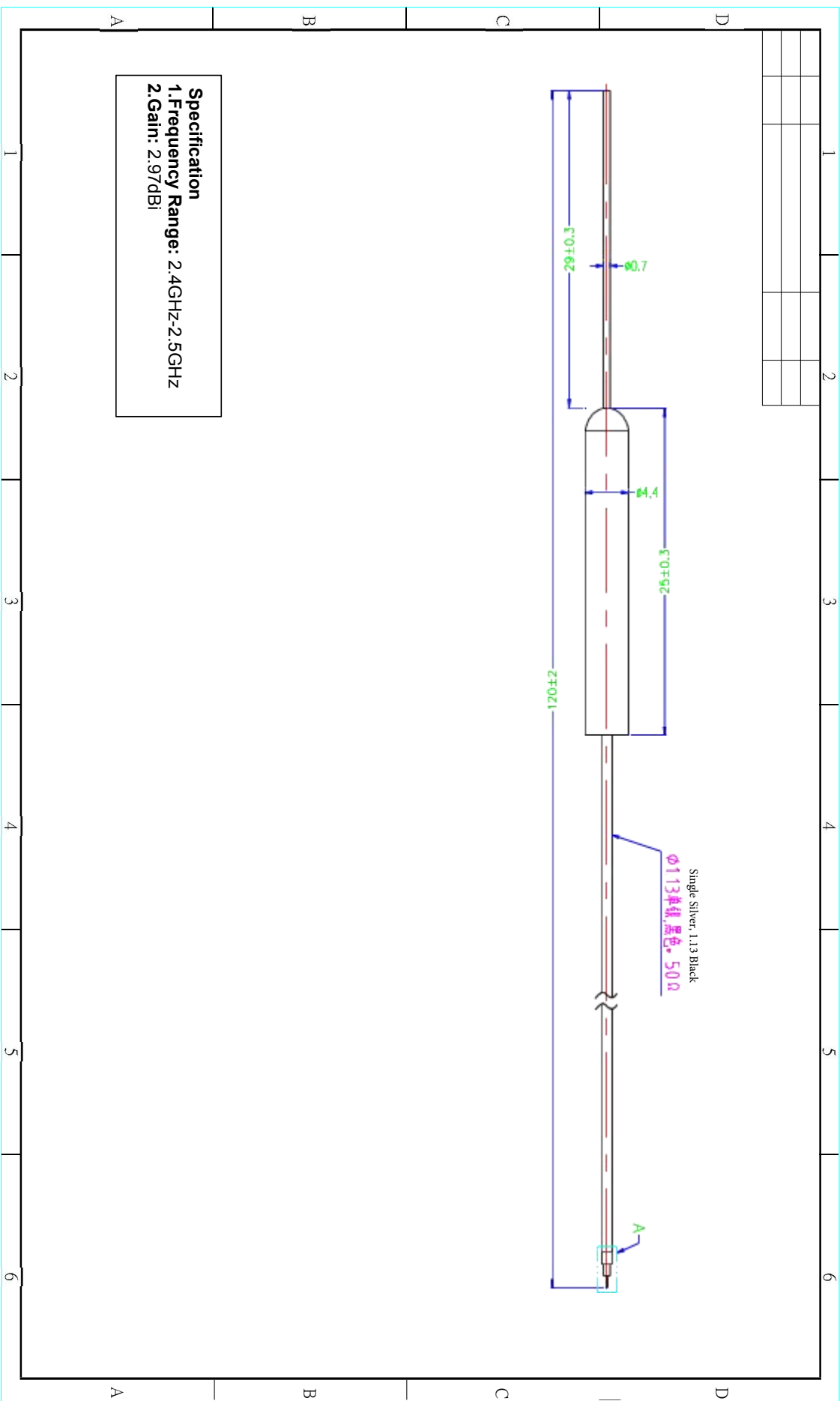
Issued Date: 2017-7-5

Customer

R&D Dept	Business Dept	Approved By

Lixinwei

R&D Dept	Engineer Dept	Approval
		



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >75%

Impedance 50 Ohm

Polarization Line

Gain 2.97DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 Black

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

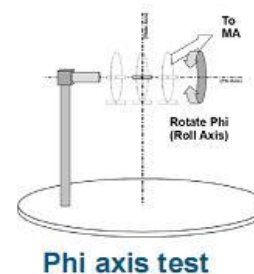
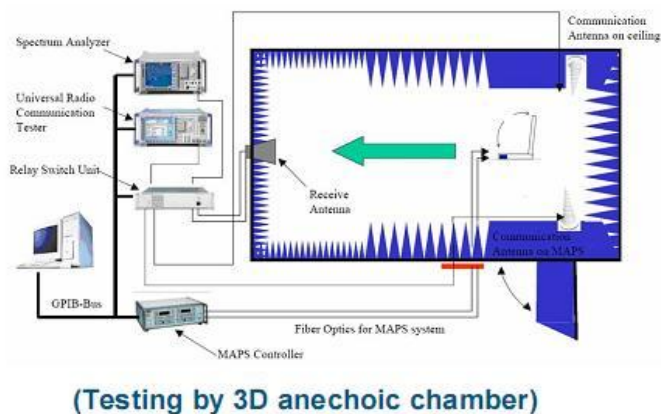
Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

Efficiency&Gai



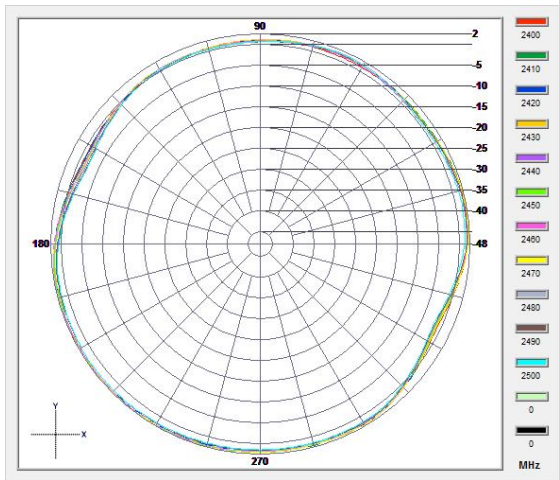
Effiency &Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	76.95	2.4
2410	74.84	2.86
2420	74.68	2.8
2430	72.55	2.97
2440	66.66	2.51
2450	72.06	2.73
2460	71.87	2.86
2470	72.95	2.80
2480	72.43	2.78
2490	68.41	2.72
2500	67.46	2.33

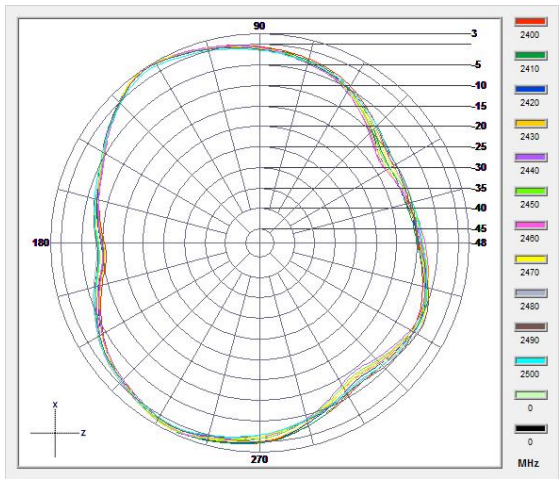
S11



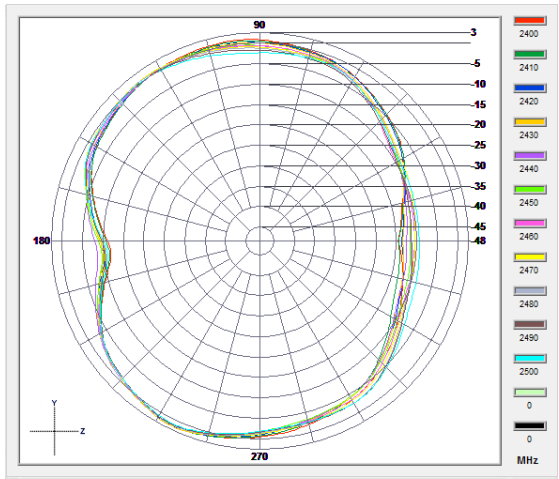
Radiation Pattern:



XY



XZ



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

