

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: monoelectron

Address: _____

Product Name: 2.4G antenna

Part NO.: TS:19*0.12*1.5 lucency pvc

Write By: Zhou Min

Issued Date: 2022-10-13

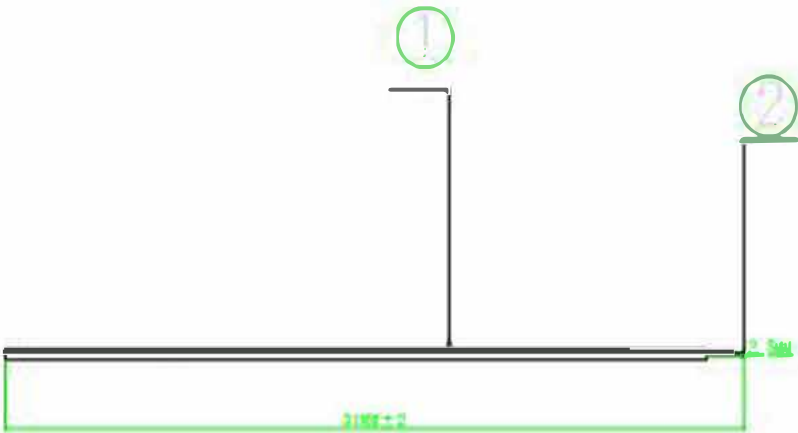
Customer:

R&D Dept	Business Dept	Approved By

Supplier

R&D Dept	Engineer Dept	Approval
Ni Sheng	Zhang Ming	xiong

Rev	Date	Description	Checked
1.0	2 Dec. 2023	Offical Release	LIDONG



②	steel wire	19*0.12						ROHS
①	electric wire	TS: 19*0.12*1.5 lucencyPVC						ROHS+N6P
Item	Part Name	Description					Qty	Remark
Dongguan Lixinwei Electronics Co., Ltd							Client	
							Client P/N	
Projection		Scale	Units	Sheet	Drawn	Approved	YD P/N	
		NTS	MM	1 of 1	1 on		DRW: NO	

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.00

Efficiency >65%

Impedance 50 Ohm

Polarization Line

Gain 2DBi

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

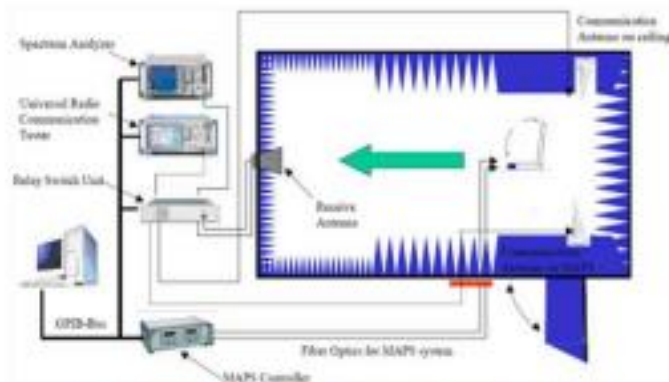
1. Network Analyzers :

Agilent 8753D 5071B

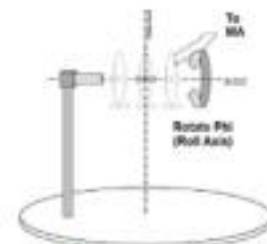
2. Communications Test Set:

Agilent E5515C

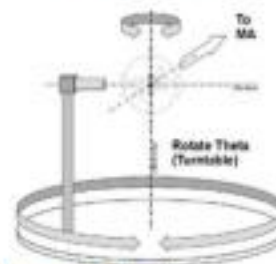
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

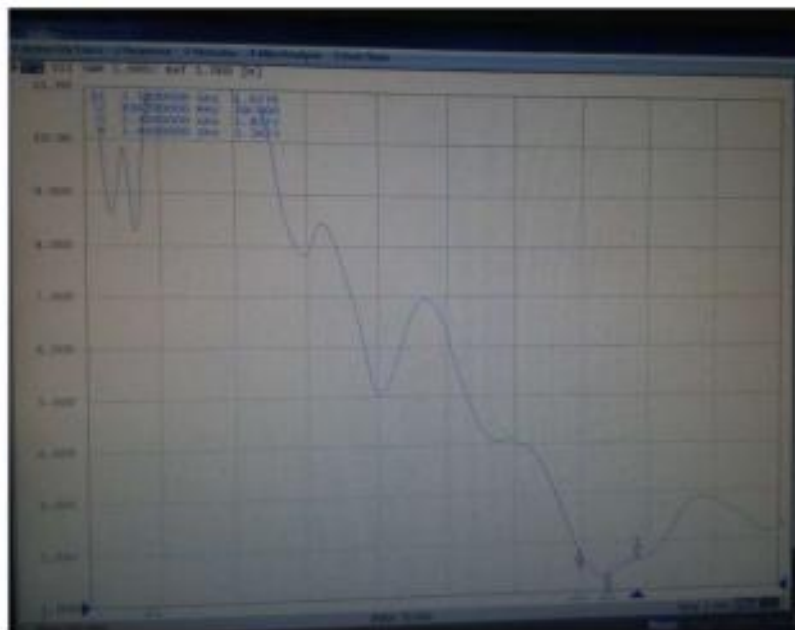


Theta axis test

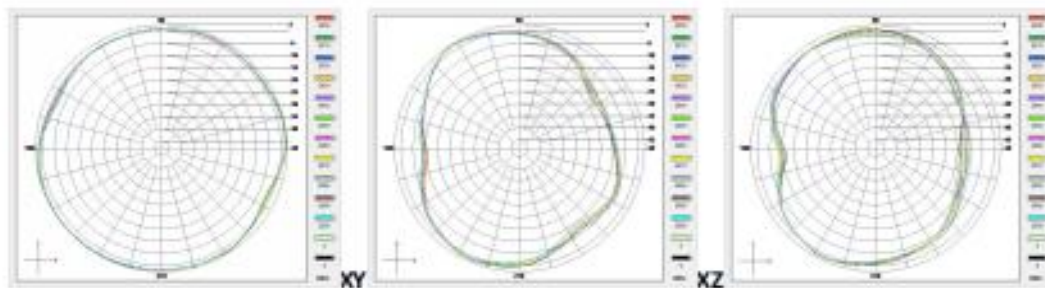
Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	66.85	1.86
2410	64.86	1.91
2420	64.78	1.89
2430	62.59	1.86
2440	66.69	1.98
2450	62.16	2.00
2460	61.67	1.96
2470	62.96	1.97
2480	62.45	1.93
2490	58.43	1.93
2500	57.48	1.92

S11



Radiation Pattern:



YZ

2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

