

东莞市利信威电子有限公司

Antenna Specification for Approval

Customer Name: Eurovision Electronics

Product Name: 2.4G antenna

Product Name: _____

Part NO.: C113H-3MMBT25-135R

Write By: Mr. zhou

Issued Date: 2022-7-27

customer:

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >63%

Impedance 50 Ohm

Polarization Line

Gain 2DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 黑色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

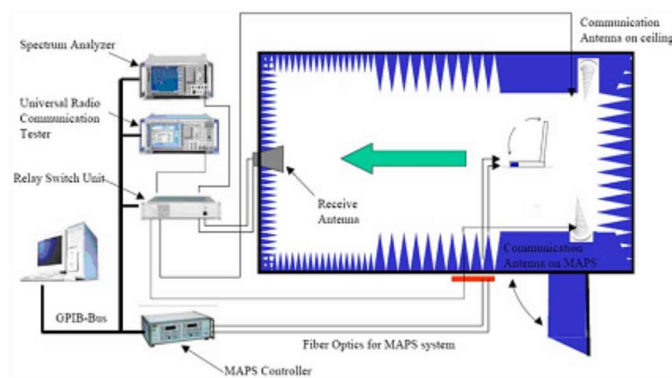
1. Network Analyzers :

Agilent 8753D 5071B

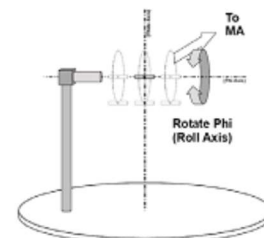
2. Communications Test Set:

Agilent E5515C

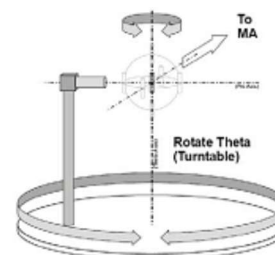
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

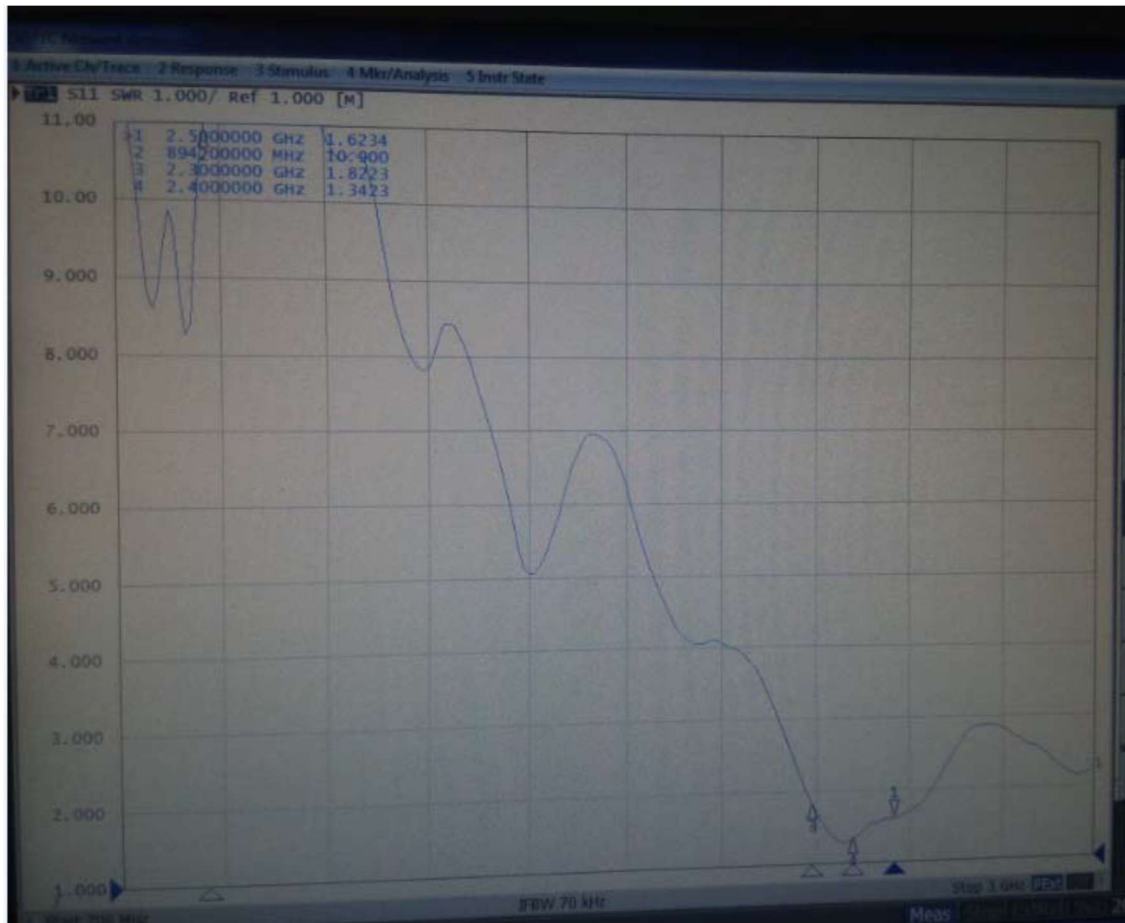


Theta axis test

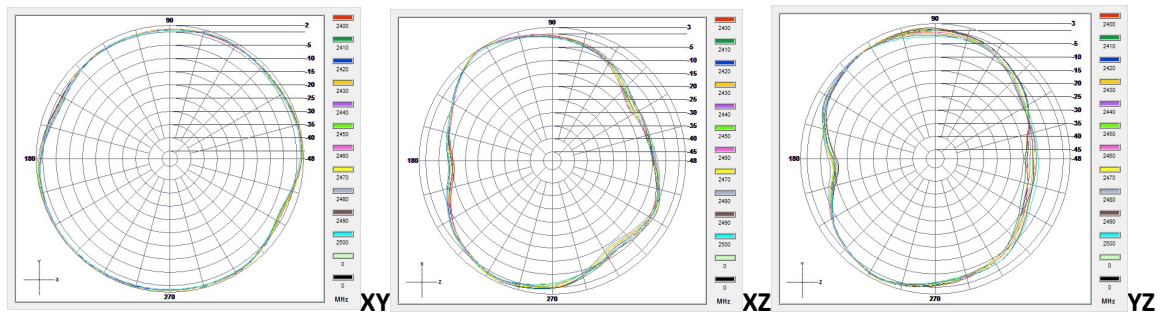
Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	59.92	1.8
2410	60.12	1.88
2420	53.34	1.7
2430	52.57	1.99
2440	61.67	1.91
2450	63.00	2.0
2460	62.83	1.82
2470	51.95	1.89
2480	52.28	1.78
2490	58.19	1.72
2500	57.42	1.83

S11



Radiation Pattern:



2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500

