

Antenna Specification for Approval

Customer Name: _____

Product Name: _____ 2.4G On-board antenna _____

Antenna Type: _____ On-board antenna _____

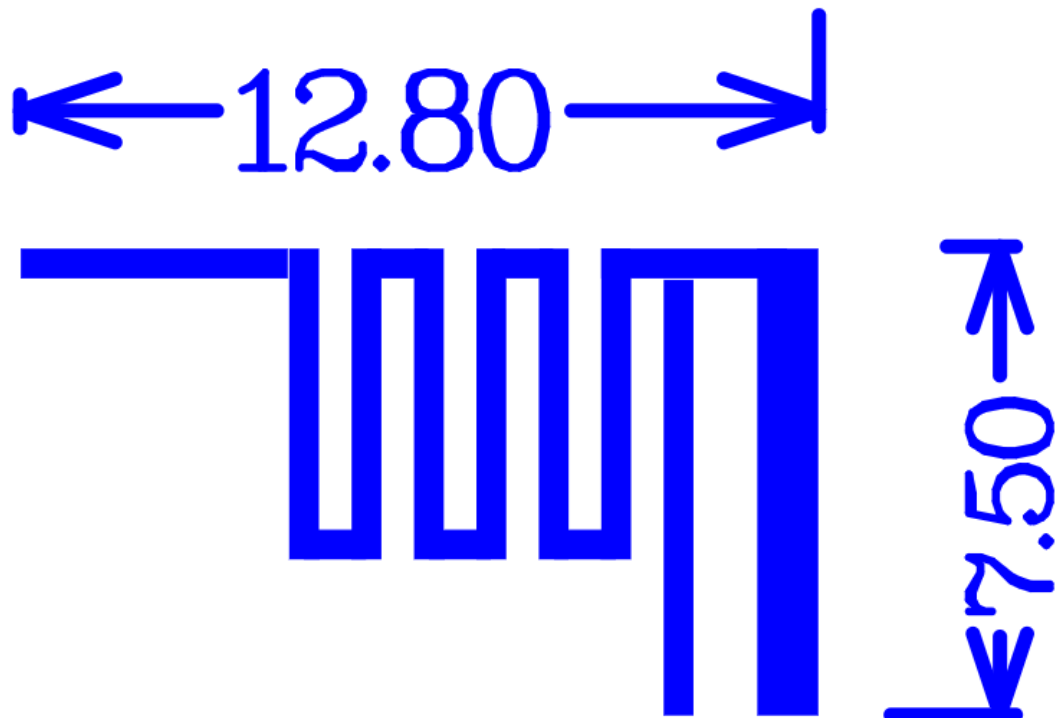
Part NO.: _____ 2025.05.22 _____

Write By: _____ Wang _____

Issued Date: _____ 2025.03.01 _____

Manufacturer: Shantou Chenghai Zhengsheng Electronic Technology Co., Ltd

Address: 4th Floor, Building 3, Quanyu Industrial Park, Laimei Industrial Zone,
Fengxiang Street, Chenghai District, Shantou City, Guangdong Province



Product Specification

A. Electrical Characteristics

Frequency 2400MHz~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain 0.17 dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

On-board antenna

Connector Type : NO

Dimension

C. Environmental

Operation Temperature -30°C ~ +80°C

Storage Temperature -30°C ~ +85°C

Test Equipment & Conditions

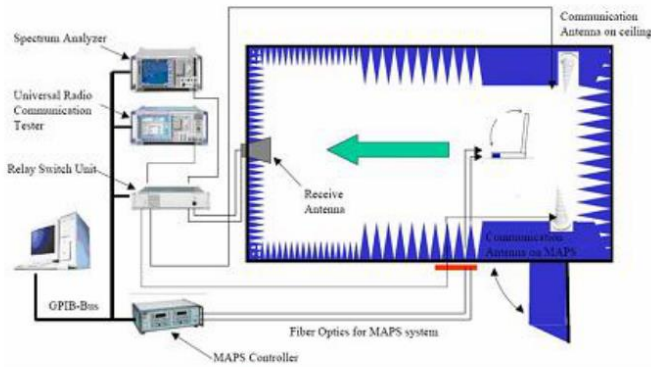
1. Network Analyzers :

Agilent 8753D 5071B

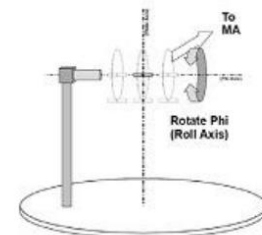
2. Communications Test Set:

Agilent E5515C

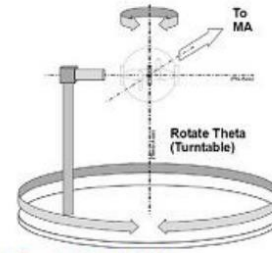
3. 3D Chamber Test System Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

Efficiency & Gain

2.405	-0.01
2.440	0.12
2.475	0.17

Radiation Pattern:

