

Dongguan Lixinwei Electronics Co., Ltd

1st Floor, No. 79 Tonggu 3rd Street, Xiancun, Dalang Town, Dongguan City, Guangdong Province

Antenna Specification for Approval

Customer Name: Blue light electronics

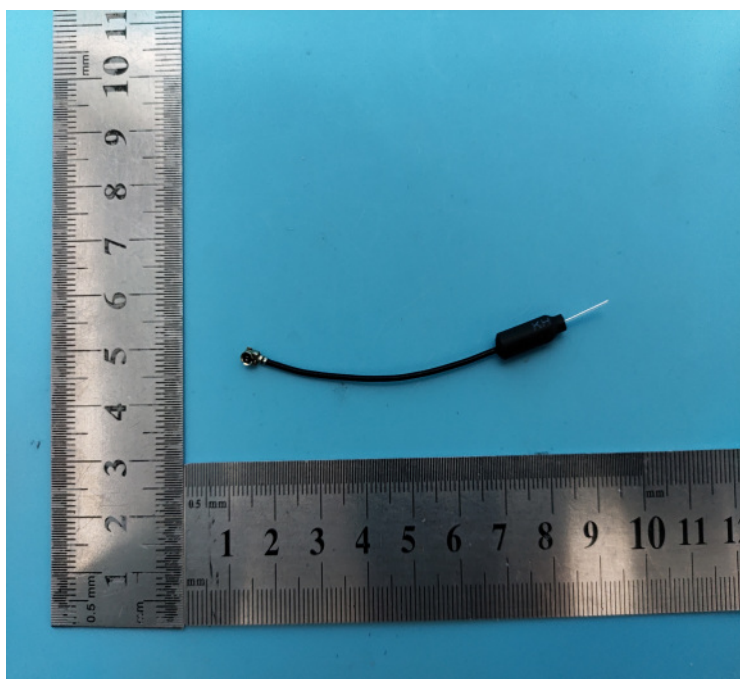
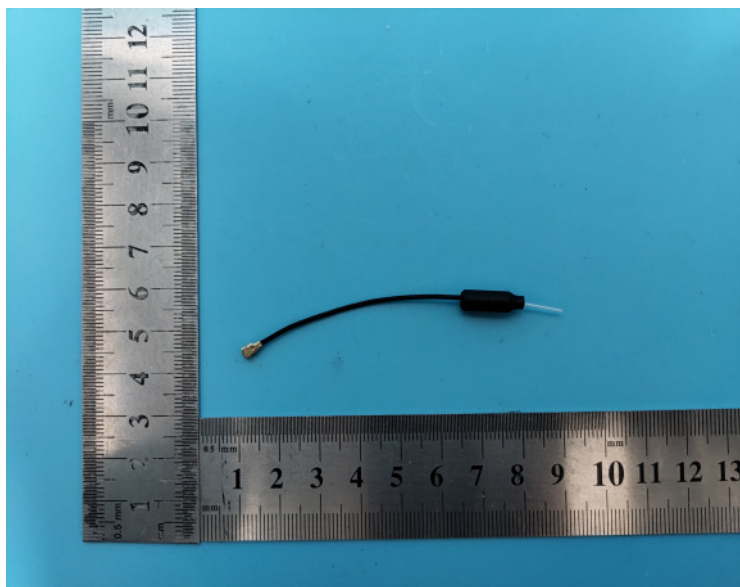
customer address: _____

Product Name: 5.2G antenna

Part NO.: C113H-IPXBT4412-11-80R

Write By: Zhou Min

Issued Date: 2025-2-8



Product Specification

A. Electrical Characteristics

Frequency 5100MHz ~5900MHz VSWR

<2.0

Efficiency >63%

Impedance 50 Ohm

Polarization Line

Gain 2.75dBi

Polarization mode: linear polarization

Antenna type: Copper tube antenna

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 black

Connector Type : IPEX1

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

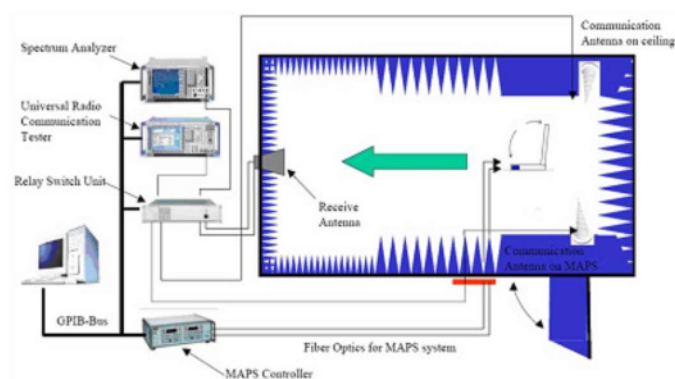
1. Network Analyzers :

Agilent 8753D 5071B

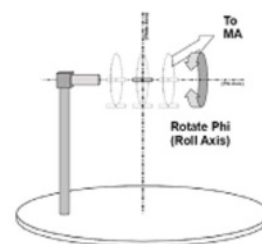
2. Communications Test Set:

Agilent E5515C

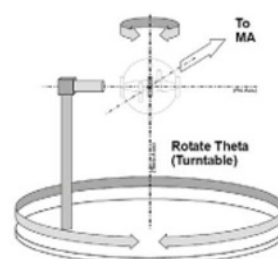
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)

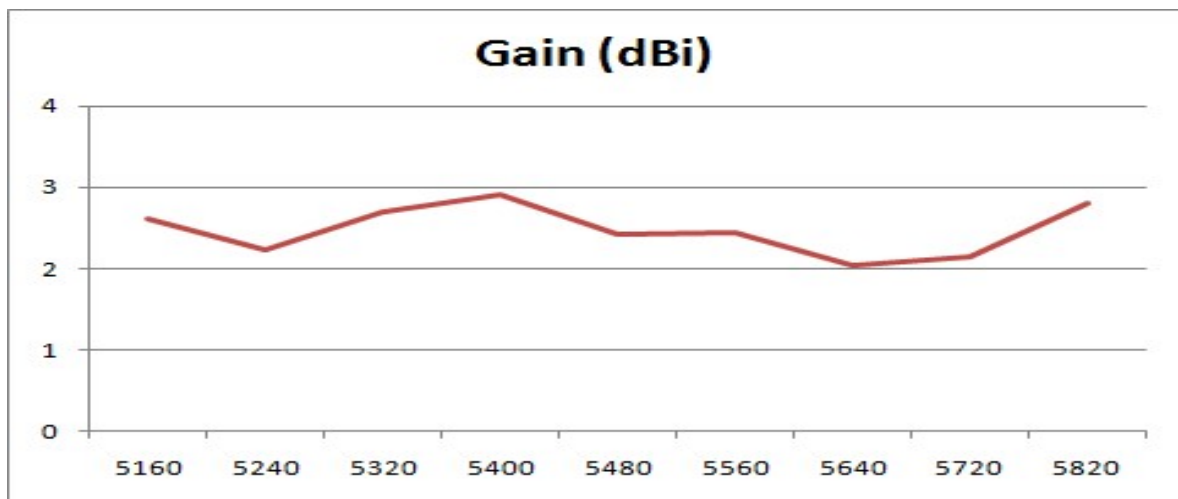
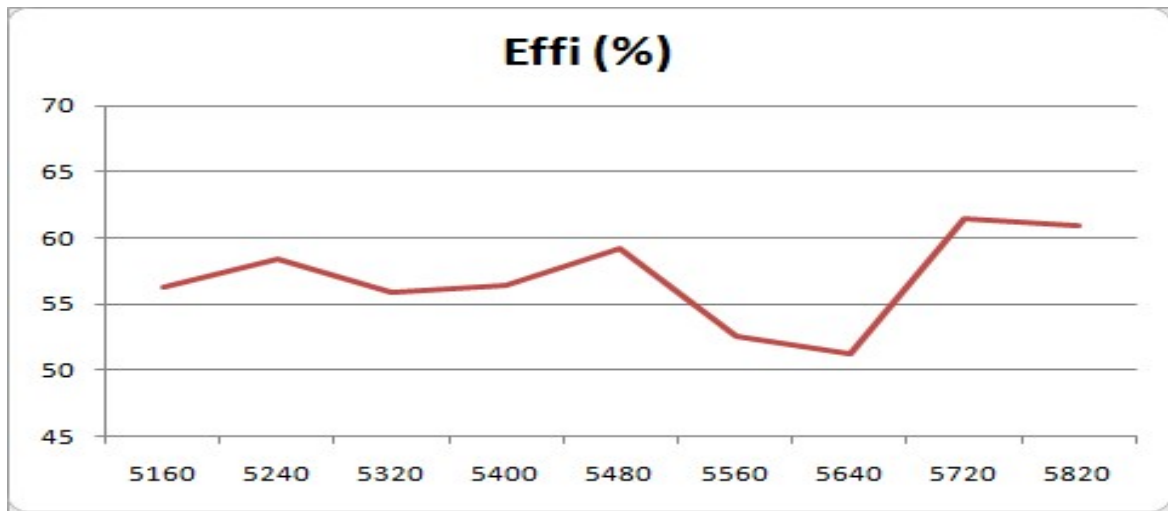


Phi axis test

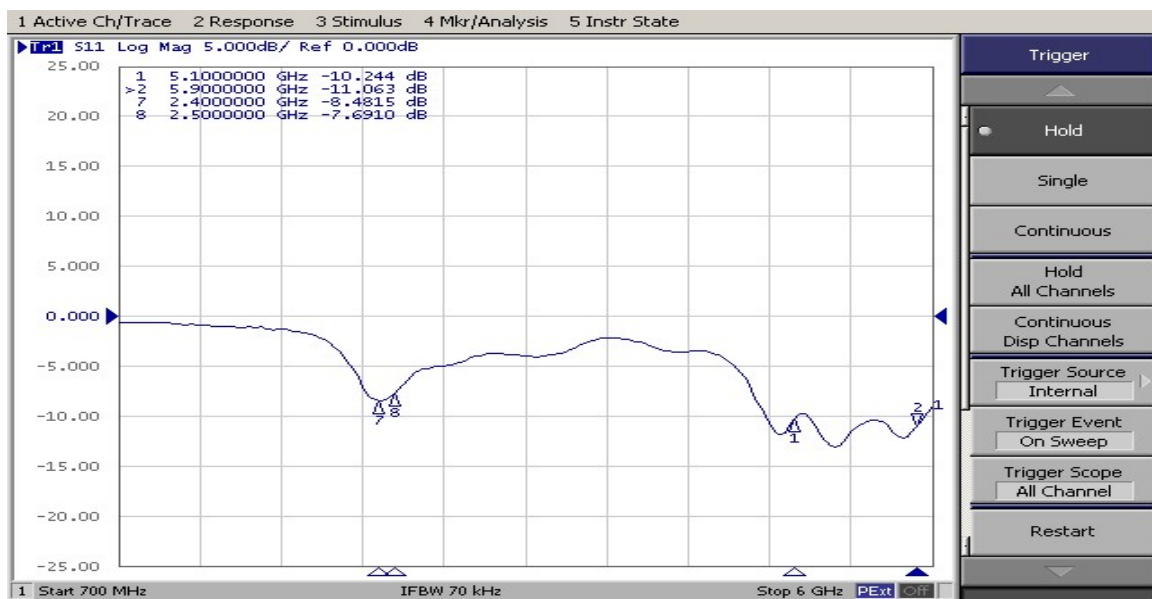


Theta axis test

Efficiency & Gain



Return Loss



radiation pattern

