

DongguanLixinweiElectr onics Co., LTD

Antenna Specification for Approval

Address: 202, Floor 2, Zone D, Fuhui Chuang Park, Dongjiang
Road, Helu Village, Huangjiang Town, Dongguan City

Customer Name: Guangd Dong Shiji

Product Name: 2.4G FPC ANT

Part NO. : C113H-SG.R2401-90

Write By: Min ZHOU

Issued Date: 2022-12-1

Customer :

R&D Dept : Business Dept: Approved By :

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <2.0

Efficiency >44.69%

Impedance 50 Ohm

Polarization Line

Gain 0.85DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

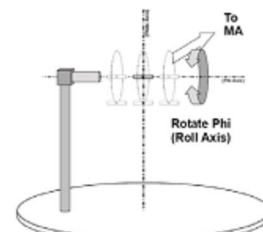
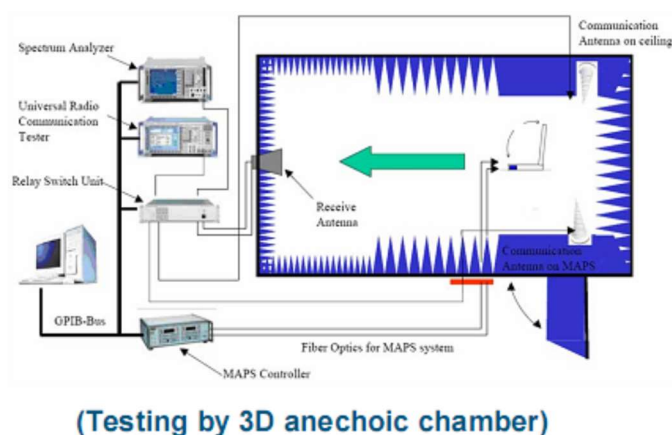
1. Network Analyzers :

Agilent 8753D 5071B

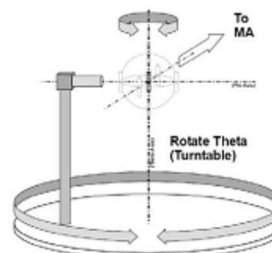
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Phi axis test

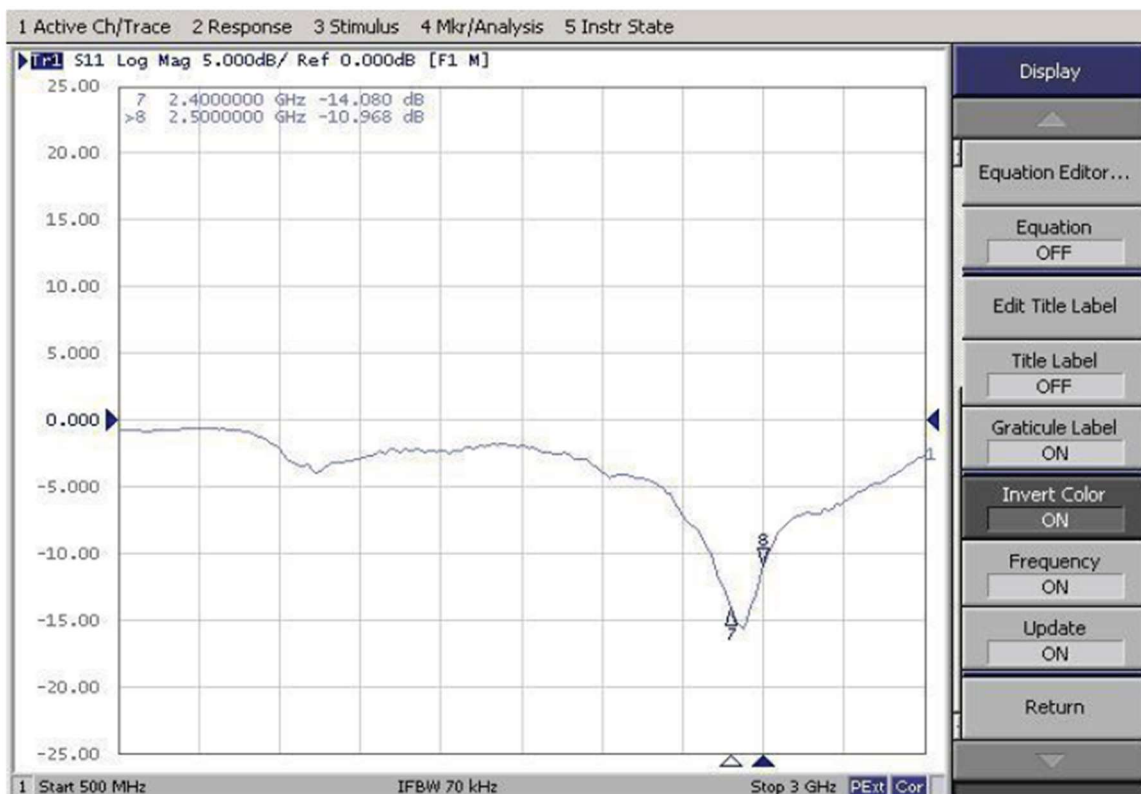


Theta axis test

Efficiency & Gain

Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	42.68	0.85
2410	44.69	0.73
2420	42.22	0.85
2430	40.72	0.85
2440	40.49	0.42
2450	43.03	0.02
2460	42.55	-0.08
2470	40.43	-0.04
2480	39.45	-0.2
2490	40.13	-0.44
2500	41.14	-0.55

S11



Radiation Pattern:

