

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: _____

Address: _____

Product Name: _____ 2.4G FPC antenna

Part NO. : _____ C113H-IPEXLXW01-70

Write By: _____ Zhou Min

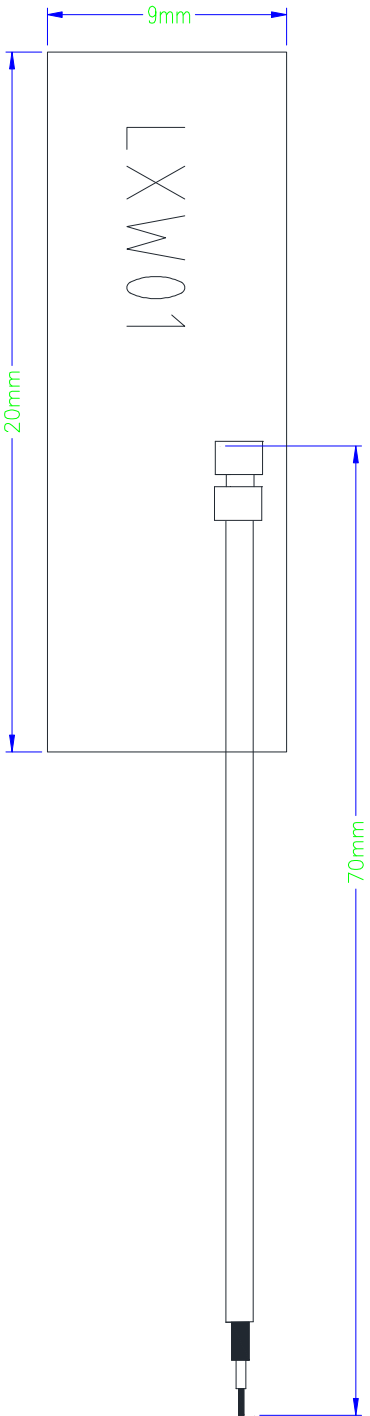
Issued Date: _____ 2025-4-8

Customer:

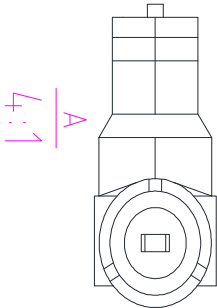
R&D Dept	Business Dept	Approved By

Supplier

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



1st generation terminals



PART TITLE	MATERIAL	UNIT IN	SCALE	SUPPLIER	VER.
2.4G FPC antenna	---	mm			01
PART NO.	DRWING	DATE	CHECKING	CFM	
C3H-IPeXLXW01-70	xui	2024/10/20			

Dongguan Lixinwei Electronics Co., Ltd

Product Specification

A. Electrical Characteristics

Frequency: 2400MHz ~2500MHz

VSWR: <2.0

Efficiency: >46%

Impedance: 50 Ohm

Polarization Line Monopole

Gain: 2DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type: 1.13MM

Connector Type : IPEX1

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

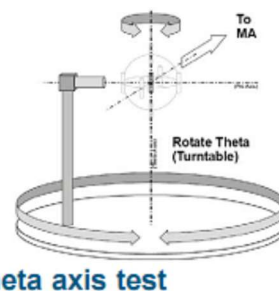
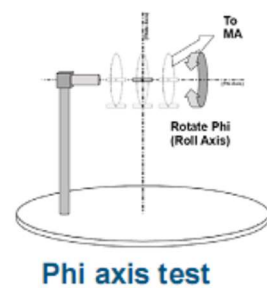
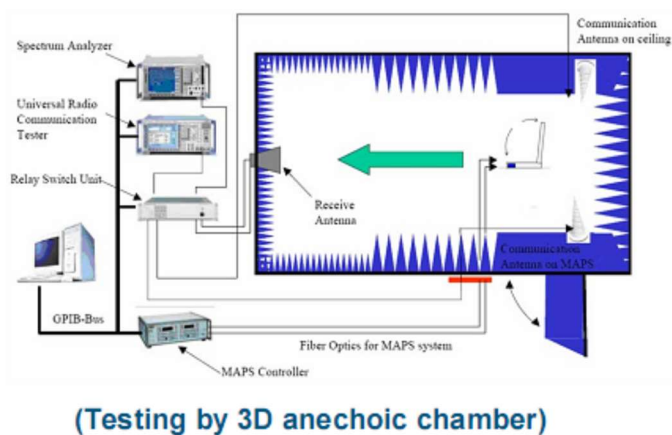
Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

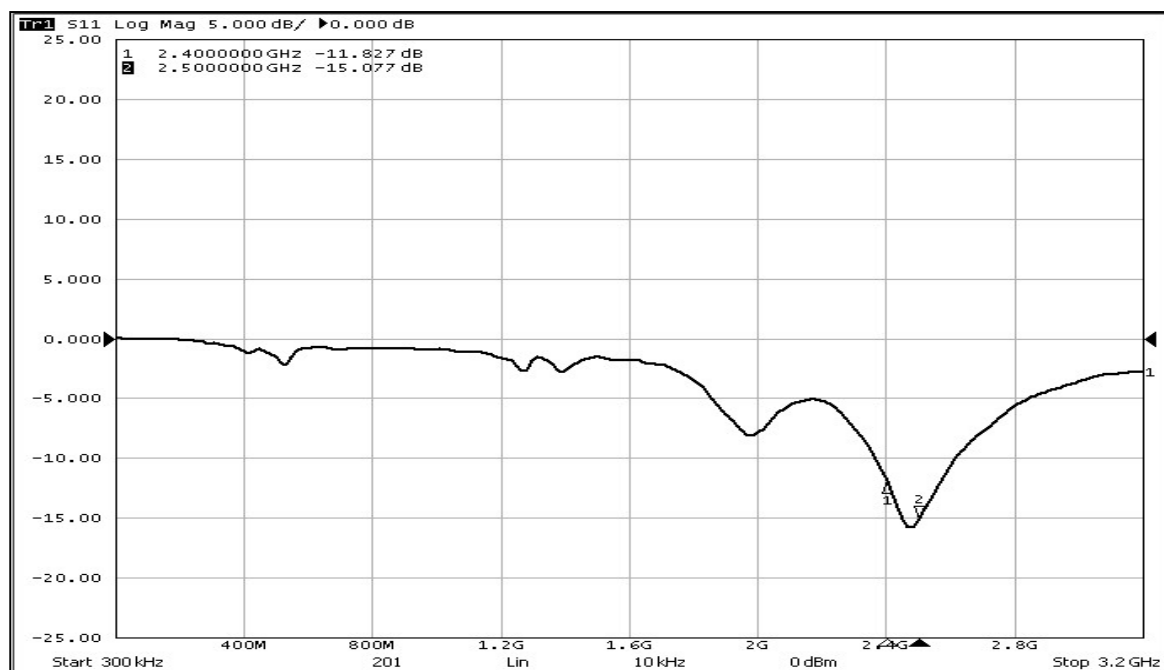
Manufacturer: Shenzhen Amkover Tech. Development Co., Ltd
Address: 2F, Building C, Aike Industrial Park, No.1, Lane 1 Dabao Road, Baoan District, Shenzhen, China



Efficiency:

Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	45.54	2
2410	45.32	1.03
2420	44.28	1.02
2430	43.41	1.08
2440	43.37	1.08
2450	42.41	1.09
2460	42.28	1.03
2470	43.37	1.03
2480	43.46	0.84
2490	43.33	0.61
2500	43.18	0.58

S11



Radiation Pattern:

