

Dongguan Lixinwei Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: Dongguan Lixinwei Electronics Co., Ltd
No. 7, Bulong Industrial Yiheng Road, Fenggang
Town, Dongguan City, Guangdong Province

Address: _____

Product Name: 2.4G FPC antenna

Part NO. : C113H-IPEXLXW01-70

Write By: Zhou Min

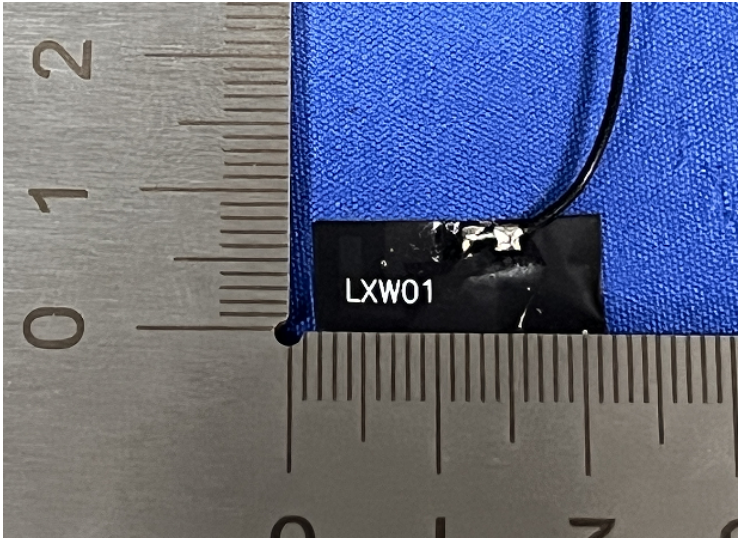
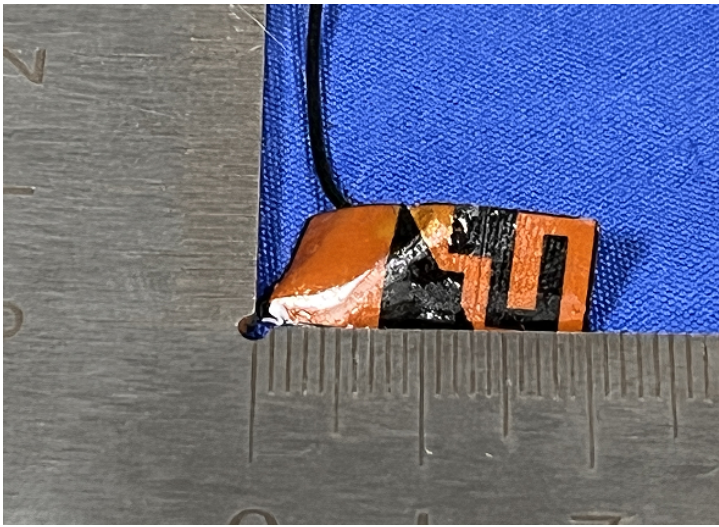
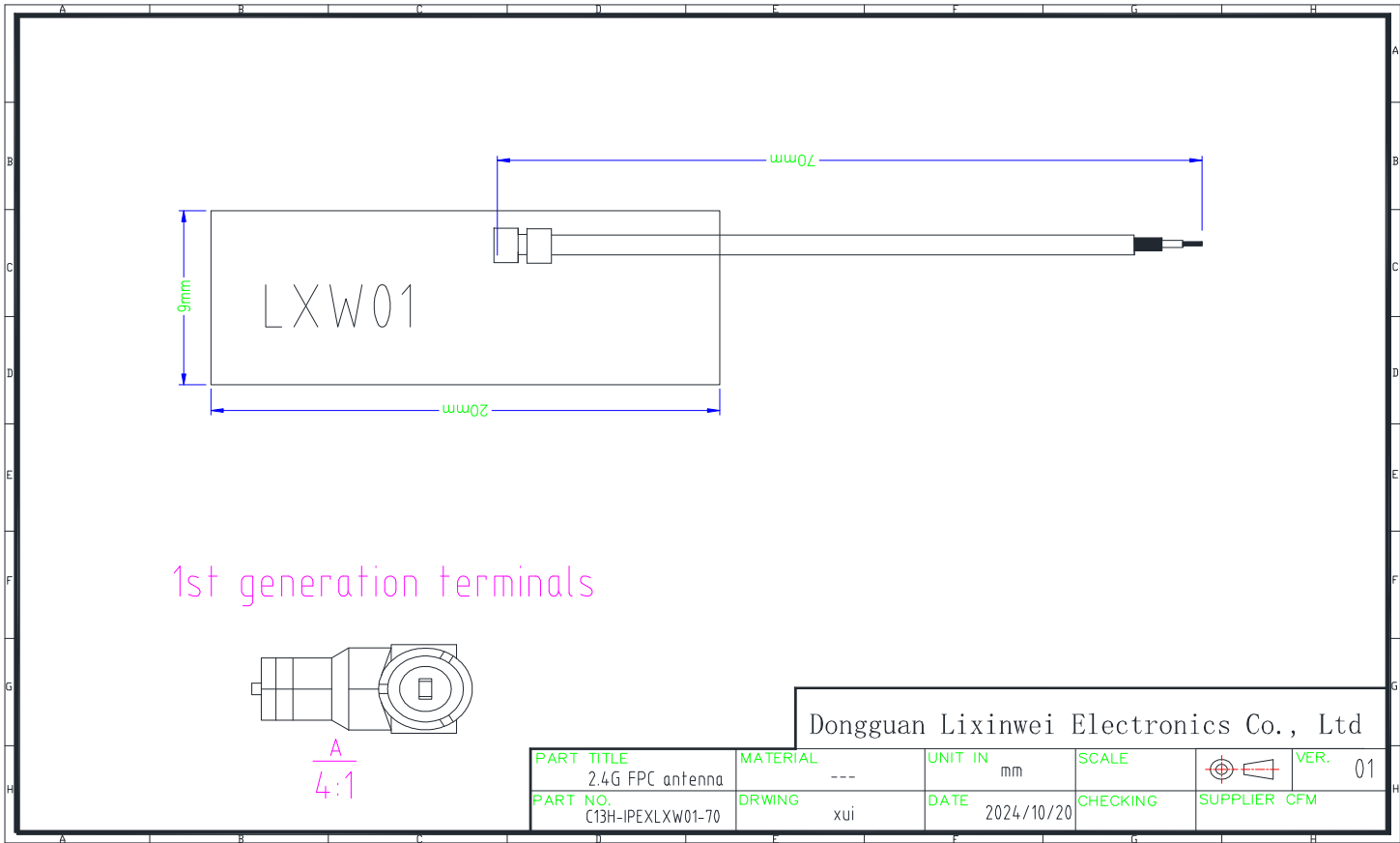
Issued Date: 2025-4-8

Customer:

R&D Dept	Business Dept	Approved By

Supplier

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



Product Specification

A. Electrical Characteristics

Frequency: 2400MHz ~2500MHz

VSWR: <2.0

Efficiency: >46%

Impedance: 50 Ohm

Polarization Line Monopole

Gain: 1.09DBi

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

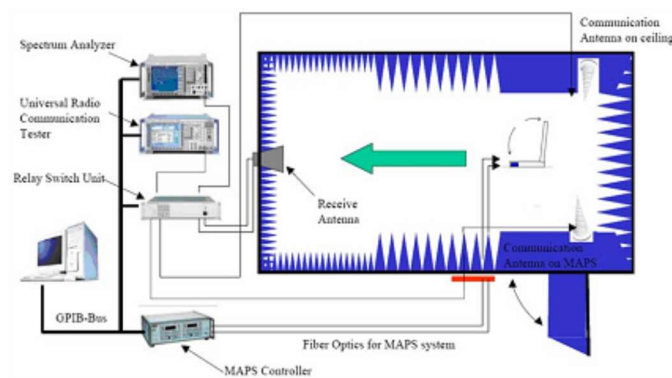
1. Network Analyzers :

Agilent 8753D 5071B

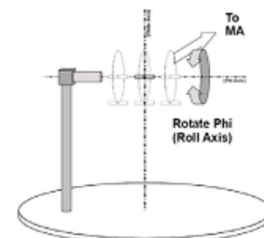
2. Communications Test Set:

Agilent E5515C

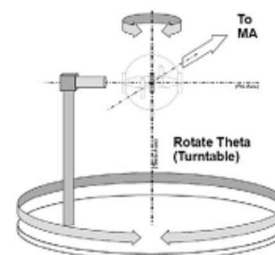
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

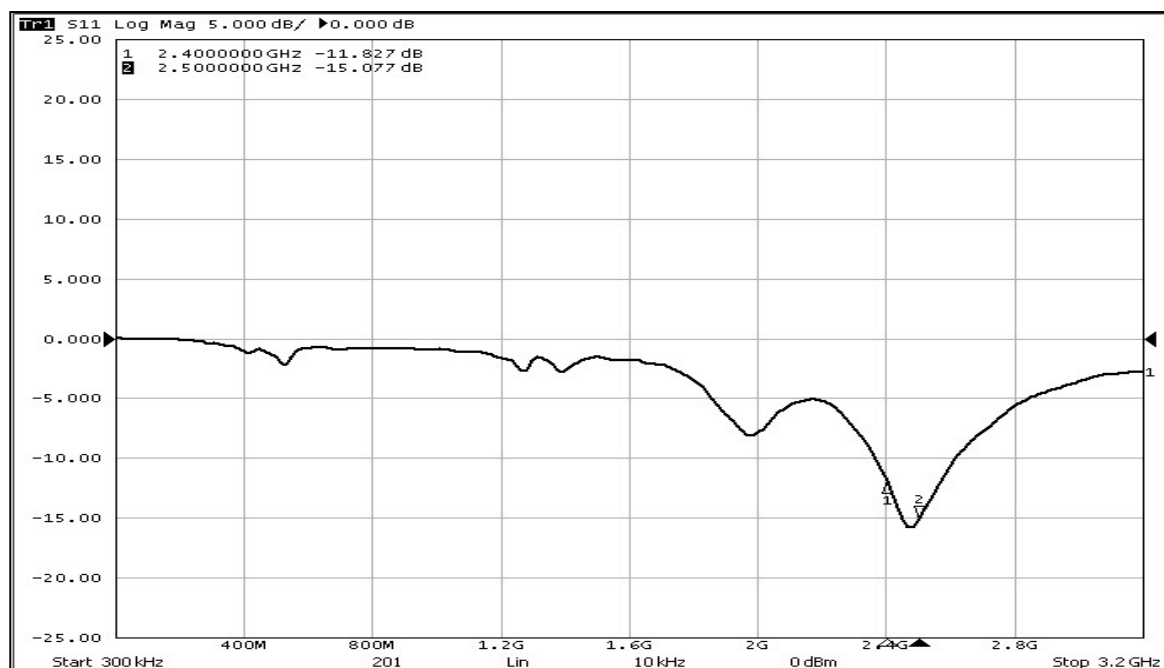


Theta axis test

Efficiency:

Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	45.54	1.09
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:

