

SPECIFICATION FOR APPROVAL

CUSTOMER: Shenzhen Seeed Technology Co., Ltd

CUSTOMER PARTNO:

Manufacturer: ShenZhen MyAntenna RF Technology Co.,Ltd

PRODUCT MODEL: Seeed XIAO ESP32C3

PRODUCT NAME: Seeed XIAO ESP32C3 2.4G Antenna

PRODUCT CODE: M01-0600890R0A 318020748

CUSTOMER SIGNATURE:

CUSTOMER SEAL:

SUPPLIER SIGNATURE:

SUPPLIER SEAL:

NOTE: PLEASE RETURN THIS COPY AS A CERTIFICATION OF YOUR APPROVAL

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VERSION INFORMATION

[illegible]

PERFORMANCE PARAMETER

1. Electrical Characteristics

1	Frequency Range	2400MHz-2500MHz
2	V. S. W. R	≤ 2.0
3	Gain	2.90dBi
4	Efficiency	70.5%
5	Impedence	50 Ω
6	Polarization mode	Vertical
7	Interface type	IPEX connect

2. Mechanical parameters

1	Measure	FPC:40*20mm Cable: 1.13*80.0mm
2	Color	BLACK

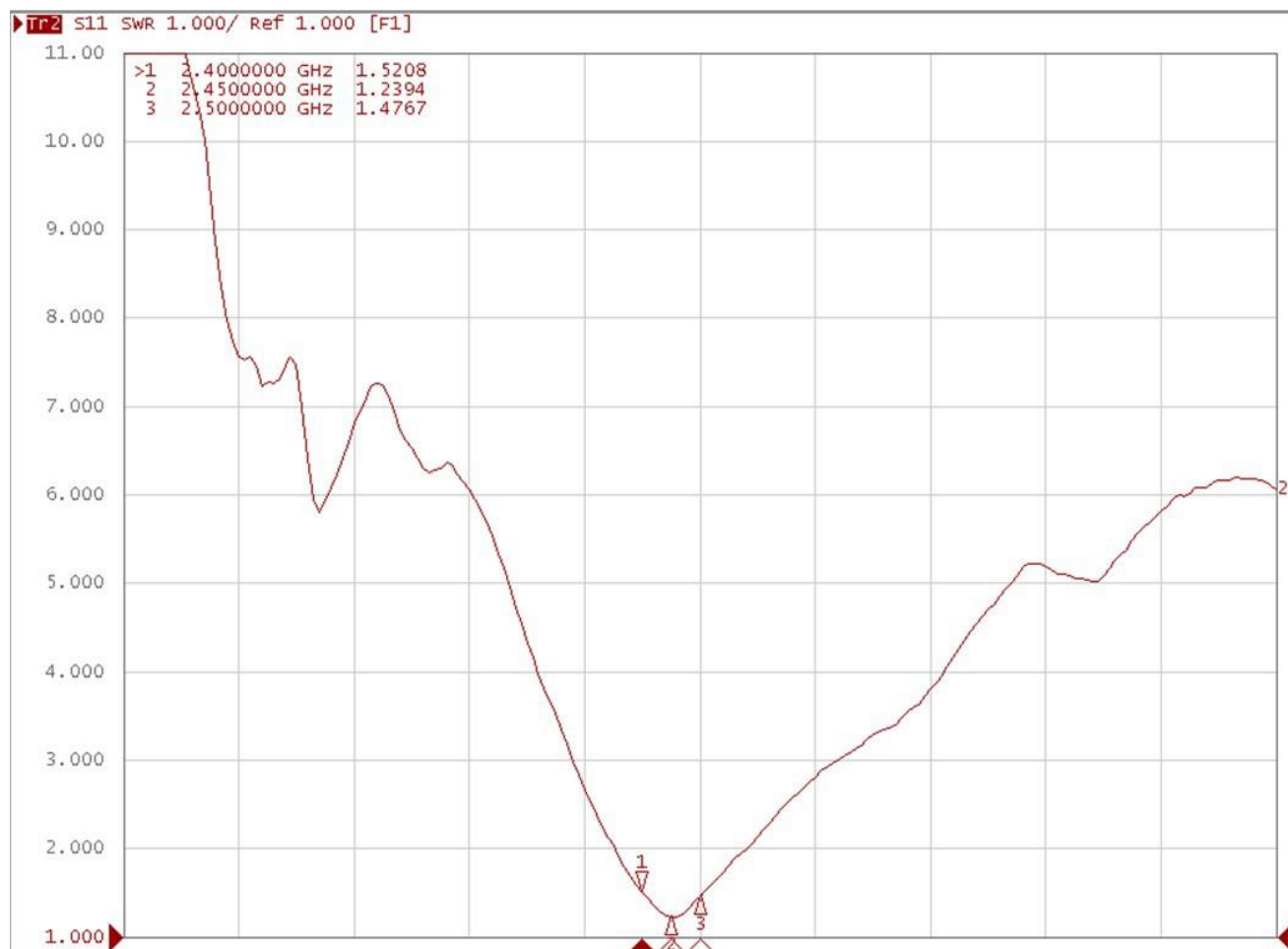
3.Environment Condition

1	Working Temp	-30℃~80℃
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TESTING CURVE

1. Performance test

1.1 V.S.W.R



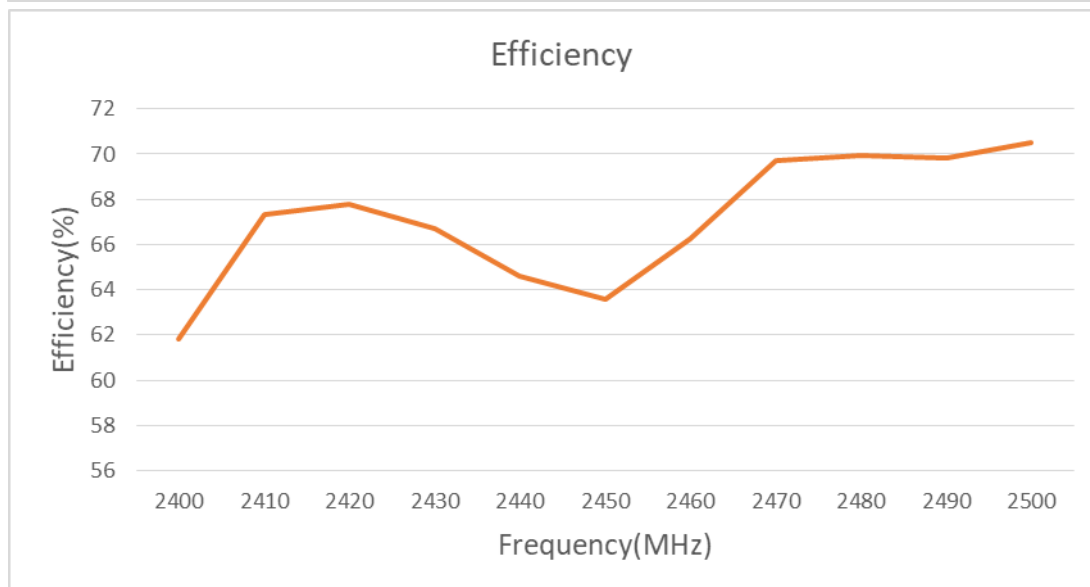
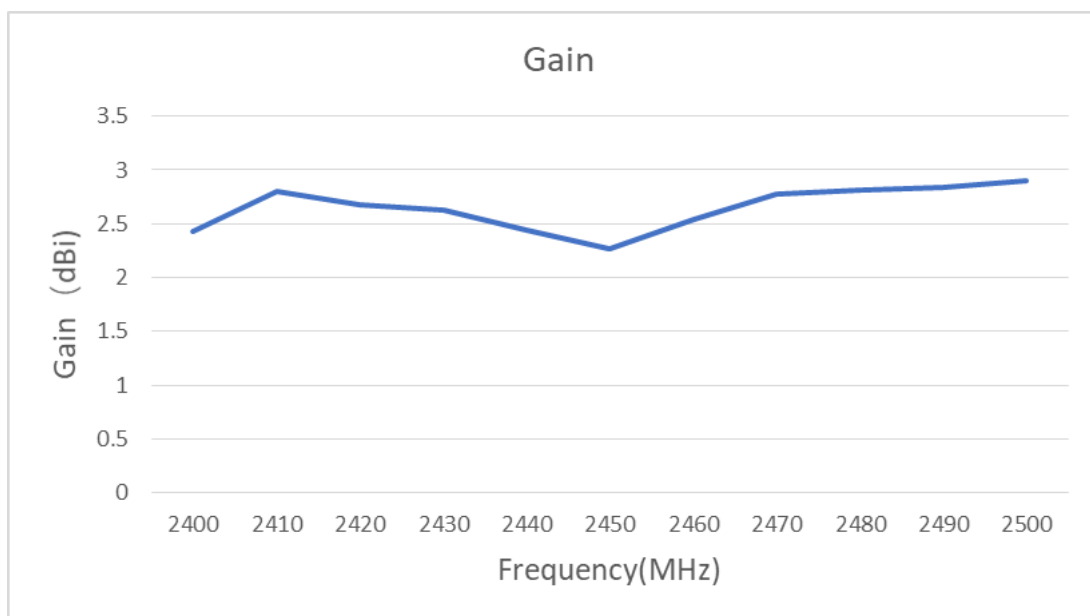
Data list

Freq	2.4GHz	2.45GHz	2.5GHz
VSWR	1.52	1.23	1.47

TESTING CURVE

2. Passive testing

2.1 Efficiency and Gain



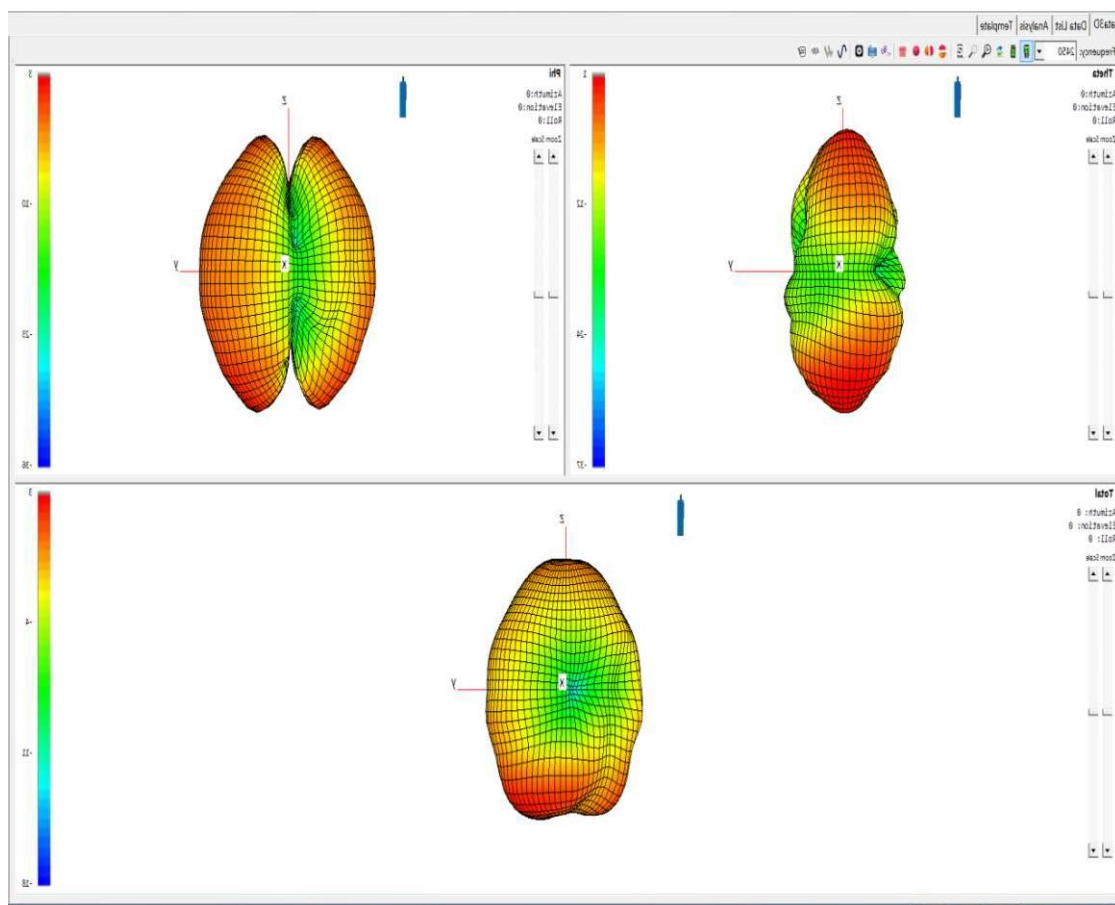
TEST DATA

Efficiency and Gain Data list

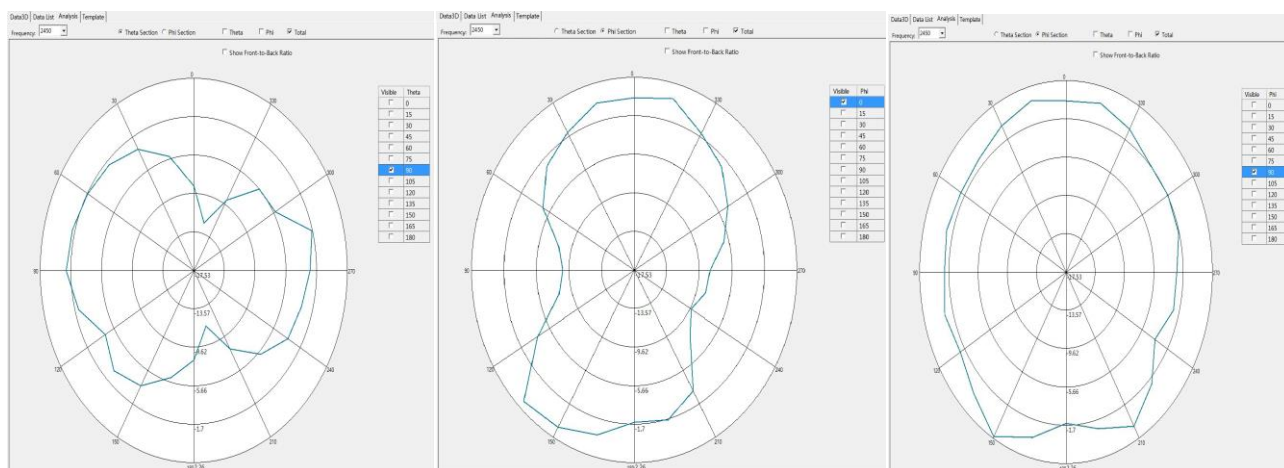
Freq	Gain	Efficiency
2400	2.43	61.81
2410	2.80	67.31
2420	2.68	67.79
2430	2.63	66.72
2440	2.44	64.60
2450	2.26	63.60
2460	2.54	66.24
2470	2.77	69.69
2480	2.81	69.96
2490	2.84	69.81
2500	2.90	70.51

TEST CURVE

2.2 3D Map



2.3 2D Figure



Antenna size

