



Acknowledgment

SPECIFICATION FOR APPROVAL

Customer Name

CUSTOMER NAME:

Customer part number

CUSTOMER P/N:

Product Part Number

PRODUCT P/N: Z1C80F3D51A

Product Name

PRODUCT NAME: 2400-2500MHz

Specifications: Z1C80F3D51A/2.4GHz FPC/1.13

Description: L=80mm+IPEX

Version

REV: Version A

Factory stamp

SIGN	Approval APPROVED BY	Review CHECKED BY	Production DRAMN

Customer signature

SIGN	quality QE	Development R&D	project PE



Contents

Item

Description

I. Changes to Resume

II. Specifications Table

III. ----- Finished Product Image

IV. Test Report

V. -----Product Photos



I. Revision History:

版本号 Reversion	修订页面 Revision page	变更日期 Change date	修订人 Revised by	修订原因及内容 Reason and content for revision	备注 Remarks
A	-	2025. 09. 19	EVIEN	初版发行	

Note:

This specification is valid for one year in principle. If either party needs to make modifications, both parties must reach a consensus before the modifications can be implemented. If neither party requests modifications after the expiration of this specification, the validity period of this specification will be extended for another year.



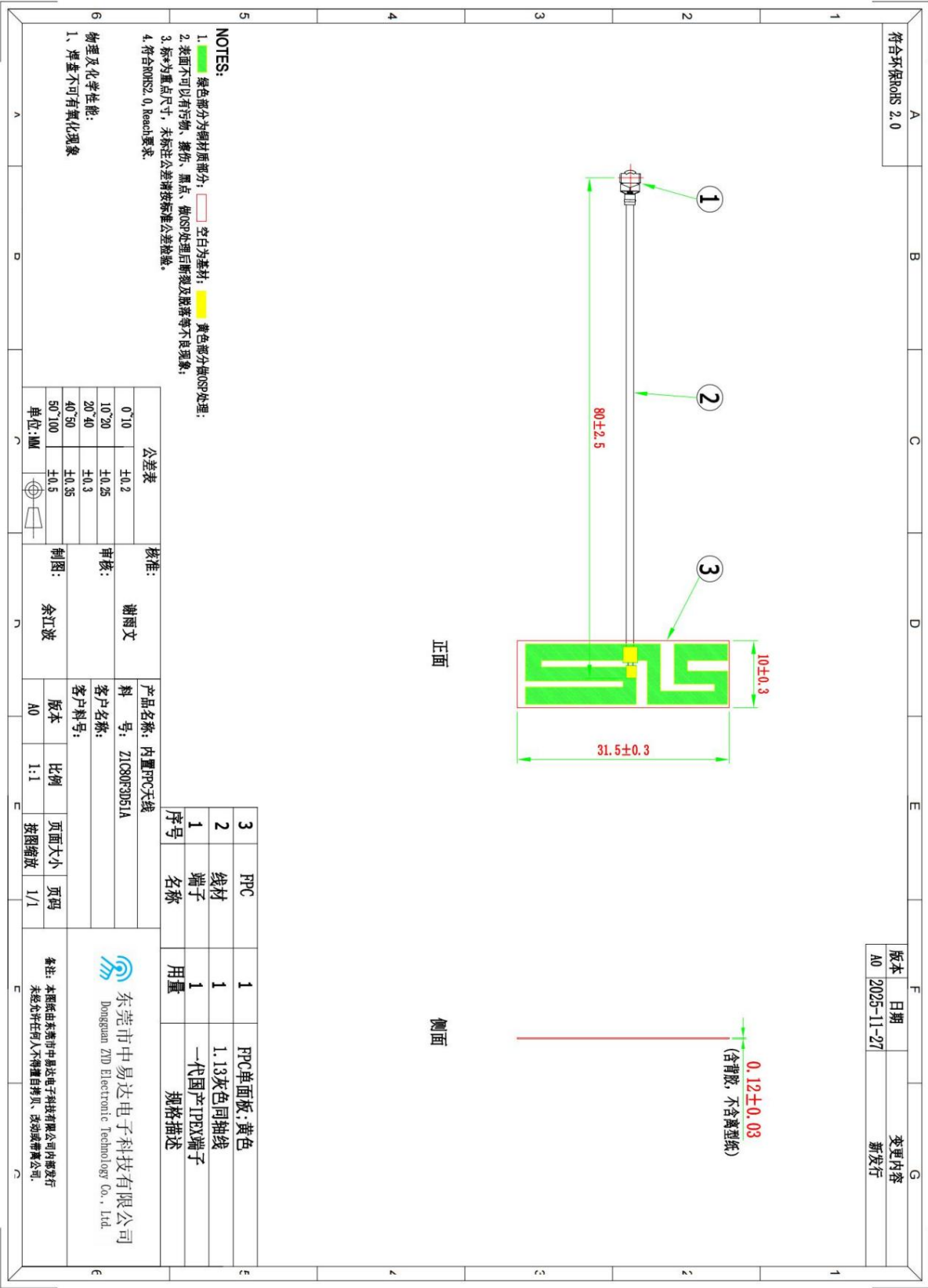
II. Specification Table:

Main technical parameters of the product

Key technical indicators		Main technical specifications	
Frequency range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Characteristic impedance (Ω)	50	Impedance (Ω)	50
Gain (dBi)	3±1	Gain(dBi)	3±1
Output voltage Standing Bobby	ÿ2.0	VSWR	ÿ2.0
polarization mode	linear polarization	Polarization	Linear
Direction	Omnidirectional	Radiation	Omni-directional
Physical properties		Physical Properties	
Antenna materials	FPCB	Antenna cover	FPCB
Connection method	IPEX	Connector Type	IPEX
Total length of wire	80mm	Total length	80mm
Exposed wire length	80mm	Exposed length	80mm
Operating temperature	-20ÿ~+70ÿ	Operating Temp	-20ÿ~+70ÿ
Storage temperature	-20ÿ~+60ÿ	Storage Temp	-20ÿ~+60ÿ



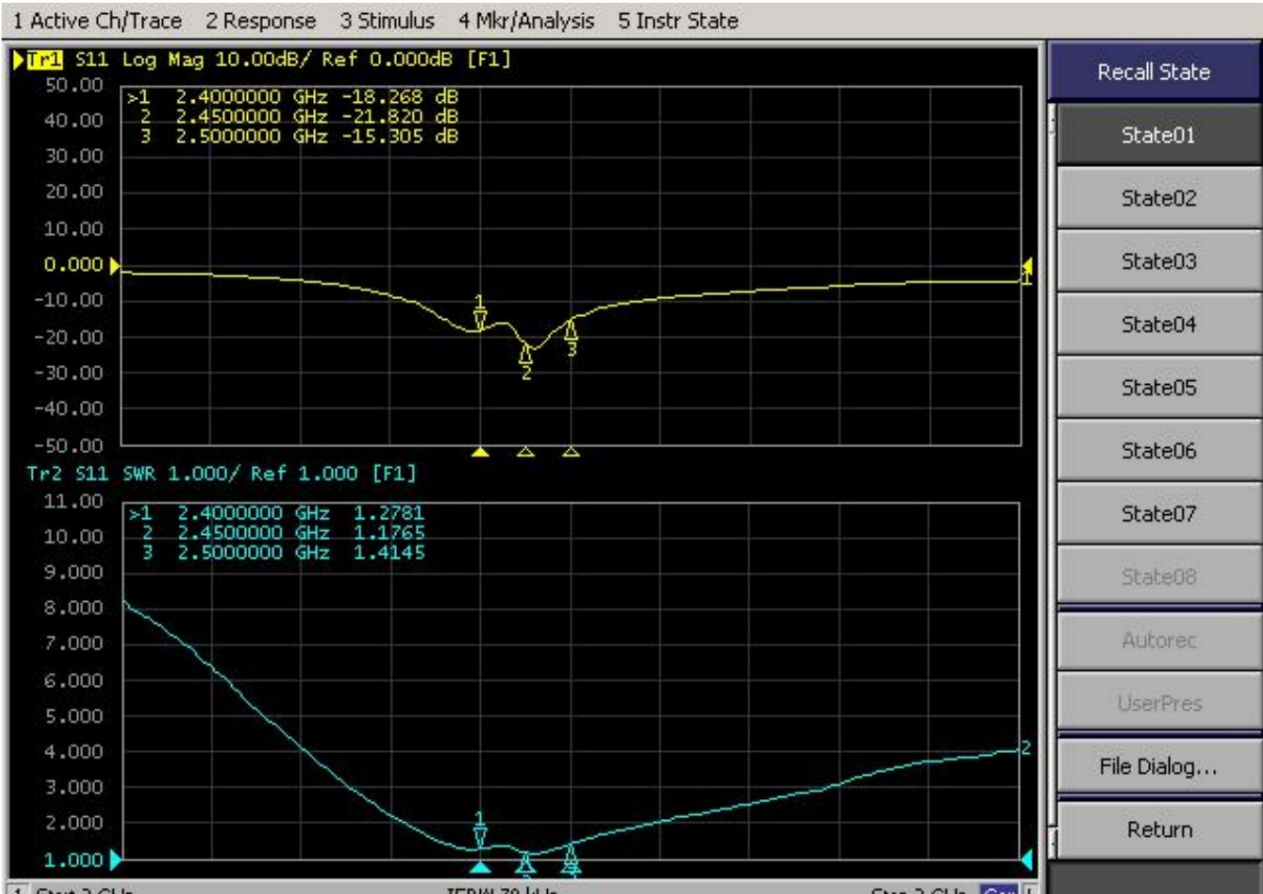
III. Product drawing:





IV. Test report:

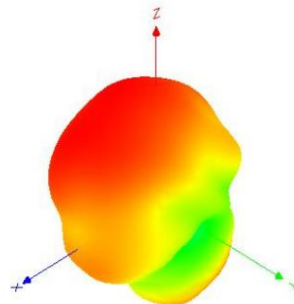
5.1: Network Analyzer Test Report





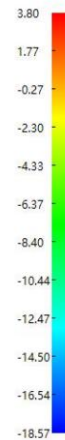
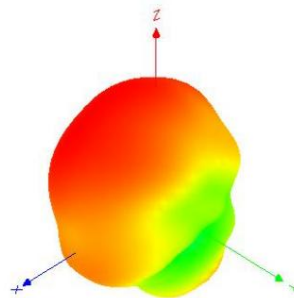
5.2: Darkroom 2D and 3D Drawitation Pattern

Frequency (MHz) : 2400



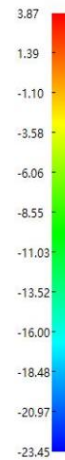
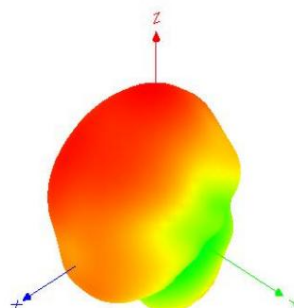
2400MHz

Frequency (MHz) : 2450



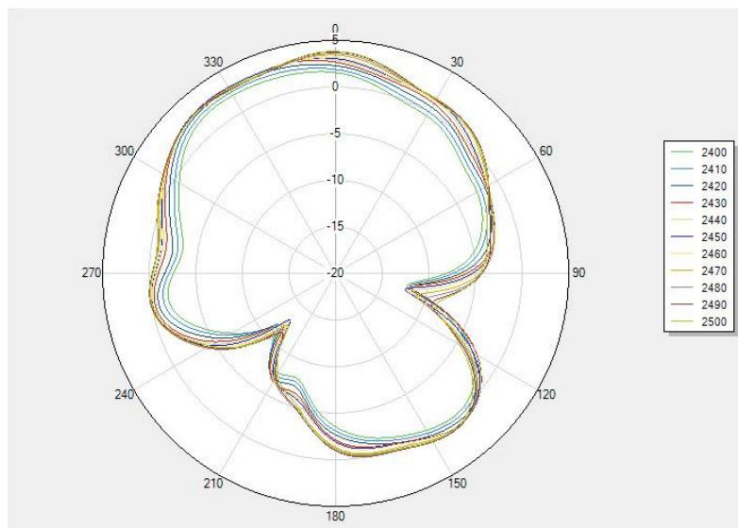
2450MHz

Frequency (MHz) : 2500

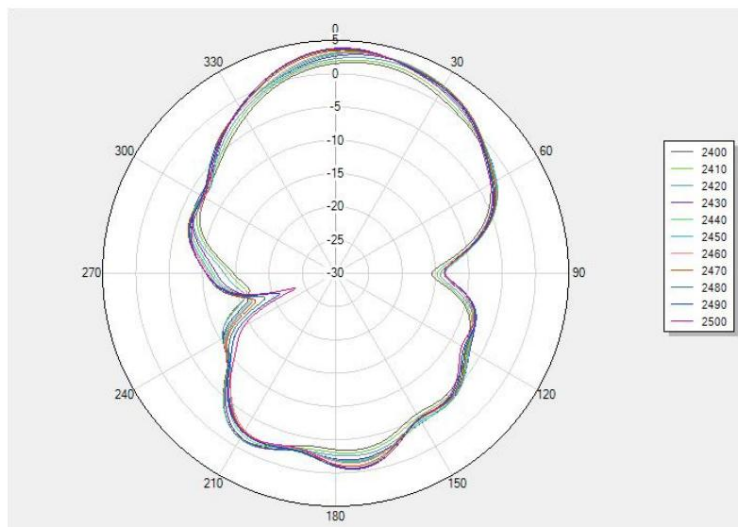




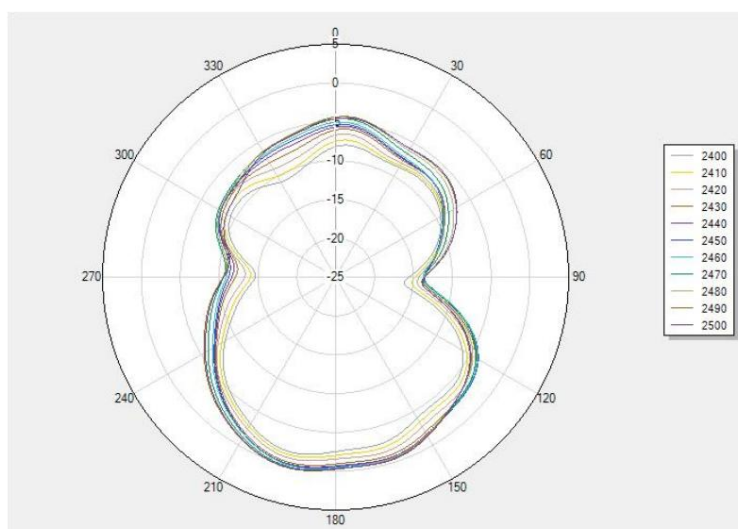
2500MHz



2400-2500MHz-Phi 0



2400-2500MHz-Phi 90





5.3: Antenna Gain and Efficiency

ANT		
Frequency (MHz)	Gain (dBi)	efficiency(%)
2400	2.43	52.31
2450	3.81	61.38
2500	3.89	63.1

V. Product drawing

