



SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

CUSTOMER P/N:

PRODUCT P/N: Z1C190F3D37A

PRODUCT NAME: 2.4GHz-5.8GHz Antenna

Z1C190F3D37A/2.4GHz-5.8GHz Built in FPC

antenna/1.13 black wire L=190mm+domestic IPEX

Description: (first generation)

REV: A

Factory seal

SIGN	APPROVED BY	CHECKED BY	DRAMN

Customer signature

SIGN	QE	R&D	PE



Contents

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一、 (Revision History) :

Reversi on	Revisi on page	Change date	Revised by	Reason and content for revision	Remarks
A	-	2025.11.03	EVIEN	First Edition	

Instructions:

This specification is generally valid for 1 year;

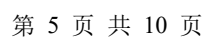
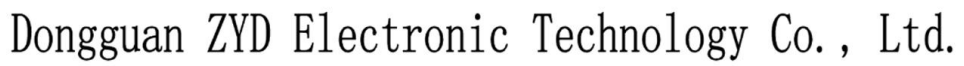
If either party needs to make modifications, it must be agreed upon by both parties through consultation before implementation;

If neither party requests any modifications after the expiration of this specification, the validity period of this specification shall be extended by one year.



二、 Specification Sheet:

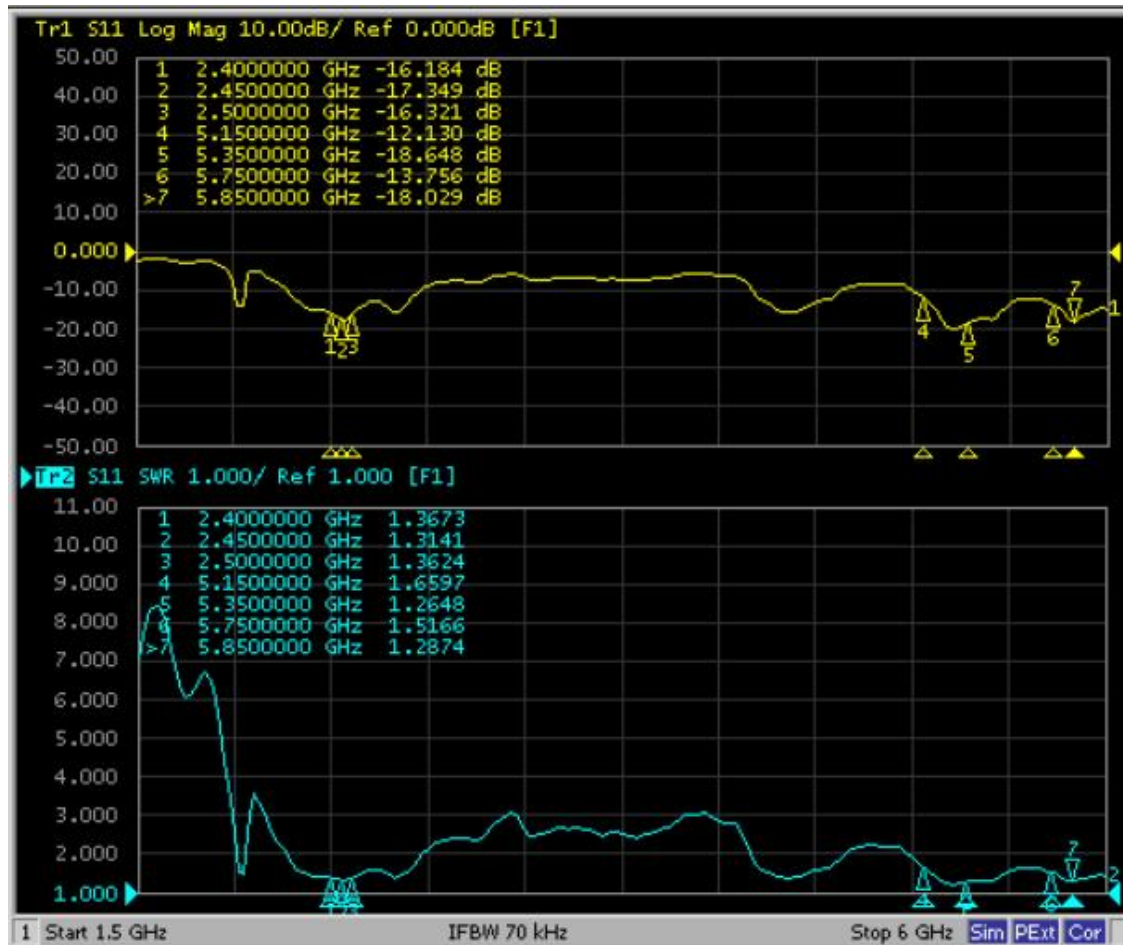
Main technical specifications	
Frequency Range (MHZ)	2400-2500/5150-5850
Impedance(Ω)	50
Gain(dBi)	1.5 ~ 5
VSWR	≤ 2.0
Polarization	vertical
Radiation	Omni-directional
Physical Properties	
Antenna Material	FPCB
Connector Type	The first generation IPEX
Total length	190mm
Exposed length	190mm
Operating Temp	-20℃~+70℃
Storage Temp	-20℃~+60℃





四、Test report:

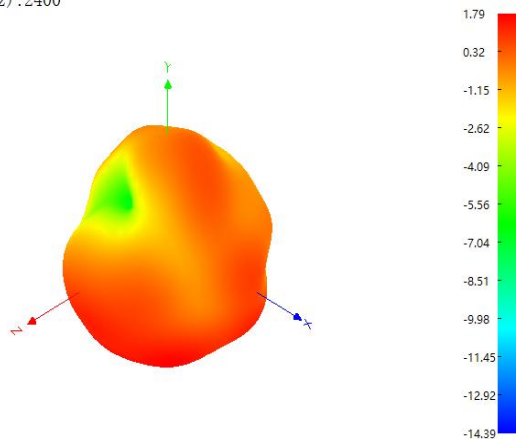
4.1: Network Analyzer Test Report



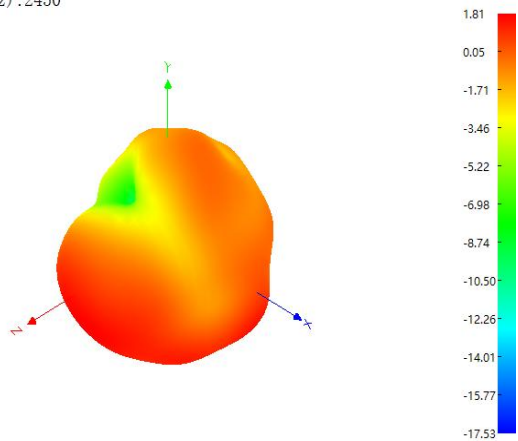


4.2: Darkroom 2D、3DRaditation Pattern

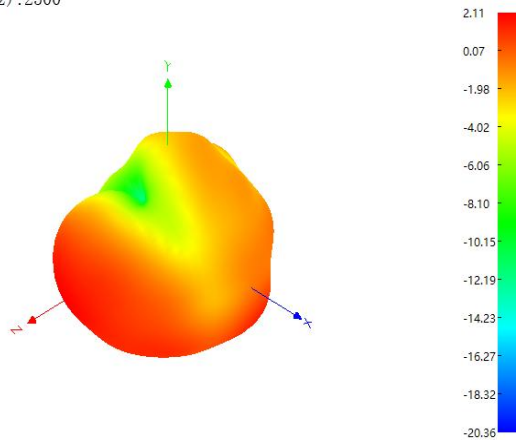
Frequency (MHz) : 2400



Frequency (MHz) : 2450

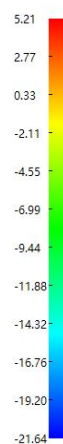
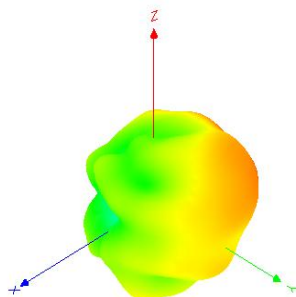


Frequency (MHz) : 2500



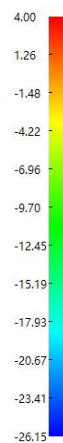
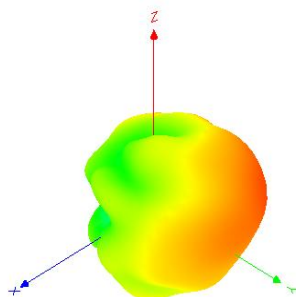


Frequency (MHz) : 5150



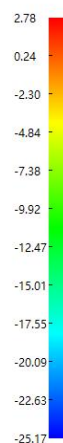
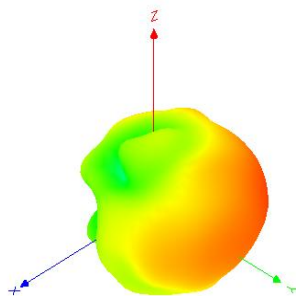
5150MHz

Frequency (MHz) : 5500

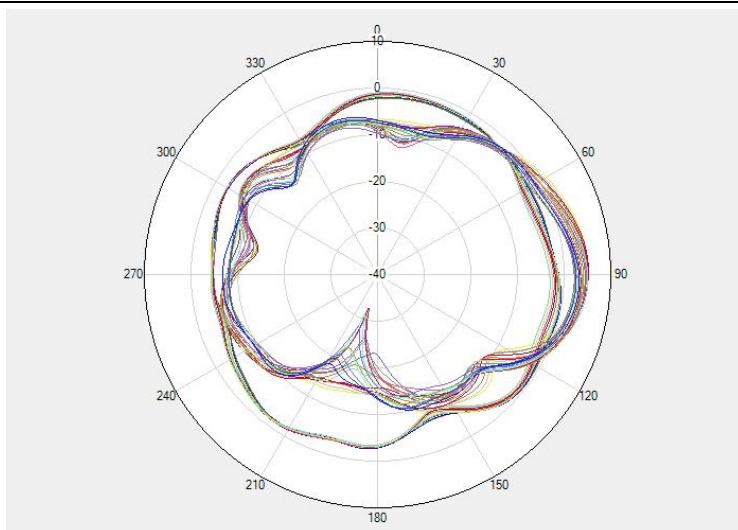


5500MHz

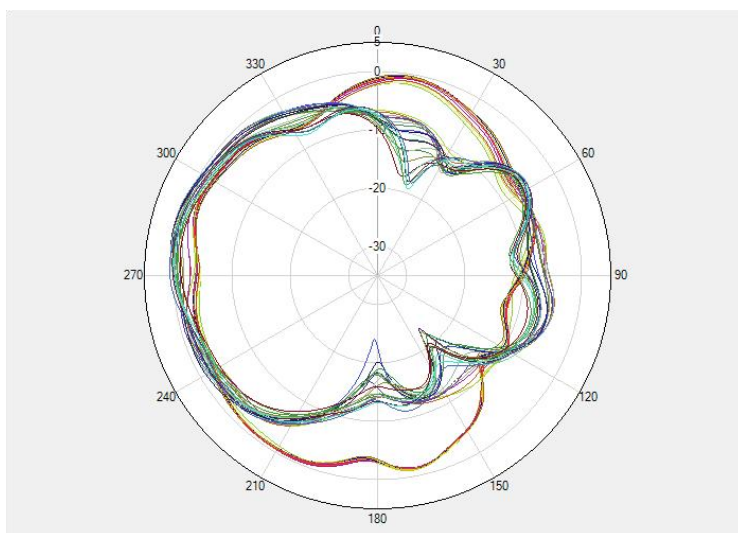
Frequency (MHz) : 5850



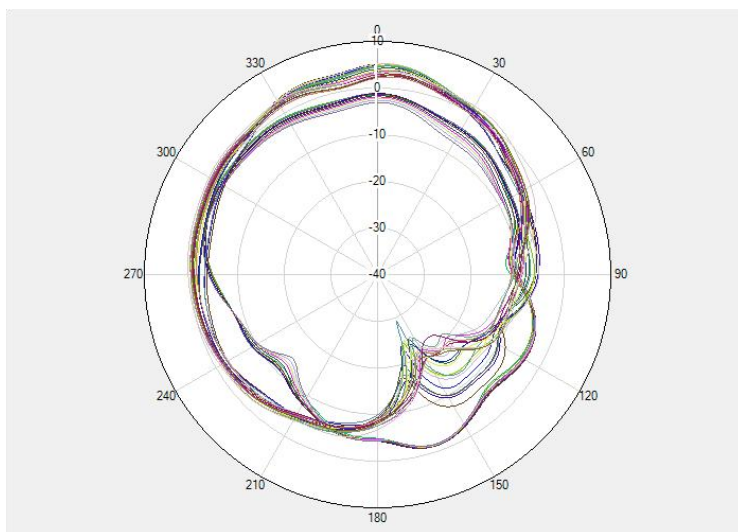
5850MHz



2400/5800MHZ-Phi 0



2400/5800MHz-Phi 90



2400/5800MHz-Theta 90



4.3: Gain and efficiency of antenna

ANT		
Frequency (MHZ)	Gain (dBi)	Efficiency (%)
2400	1.82	53.57
2450	1.85	55.29
2500	2.11	52.34
5150	5.15	57.34
5500	3.27	59.26
5850	2.75	52.63

五、Product image

