
Acknowledgement

SPECIFICATION FOR APPROVAL Custo-
mer Name

CUSTOMER NAME:

Customer ID

CUSTOMER P/N:

Product CODE

PRODUCT P/N: Z2C230B2D47A

Product name

PRODUCT NAME: 915MHz antenna

Specification description: Z2C230B2D47A/915MHz/Black whip antenna/1.13

Description: mm black wire, length 180mm, IPEX first generation

Edition

REV: A printing plate

Factory release
stamp

SIGNATURE	Approval APPROVED BY	Review CHECKED BY	Fabrication DRAMN

Customer Sign-
ature

SIGNATURE	Character QE	Develop R&D	Engineering PE

Contents

<i>Item</i>	<i>Description</i>
1.-----	Change History
II. Specification Table	
III. -----	Finished Product Images
IV. -----	Test Report
5. -----	Product Images

1. Revision History:

Reversion	Revision page	Change date	Revised by	Reason and content for revision	Remarks
A	-	2025.10.21	EVIEN		

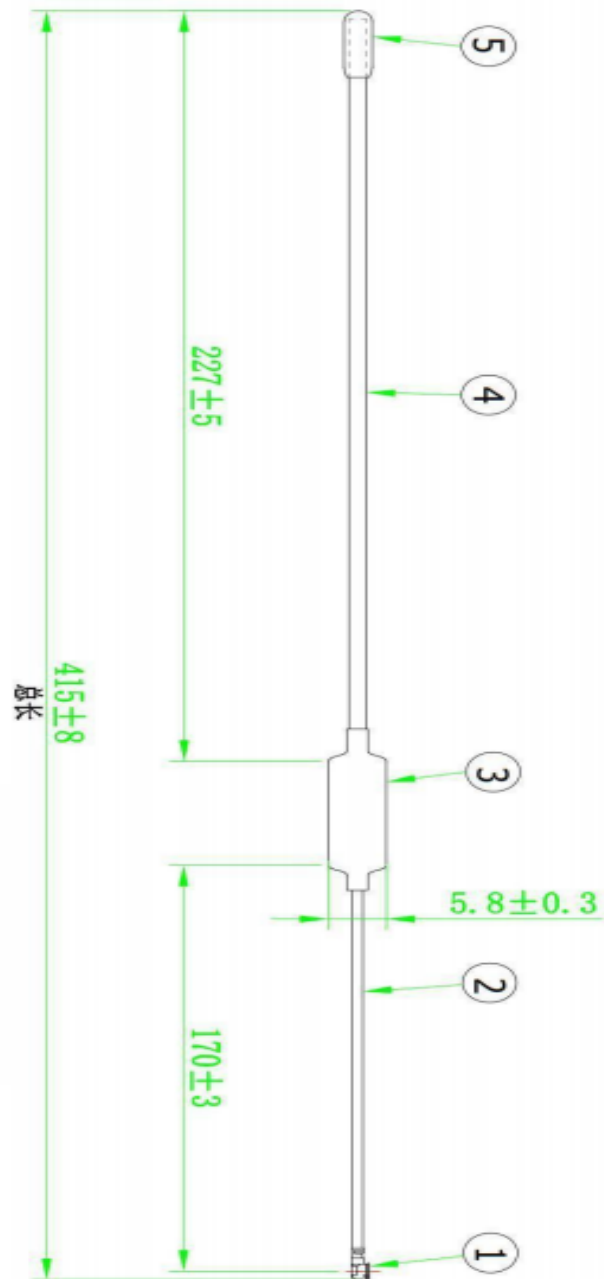
Note:
This specification is generally valid for 1 year.
Any modification required by either party shall be implemented only after mutual agreement between both parties.
If neither party requests modifications after the expiration of this specification, the validity period shall be extended by one year.

II. Specification Table:

Key Technical Specifications of the Product

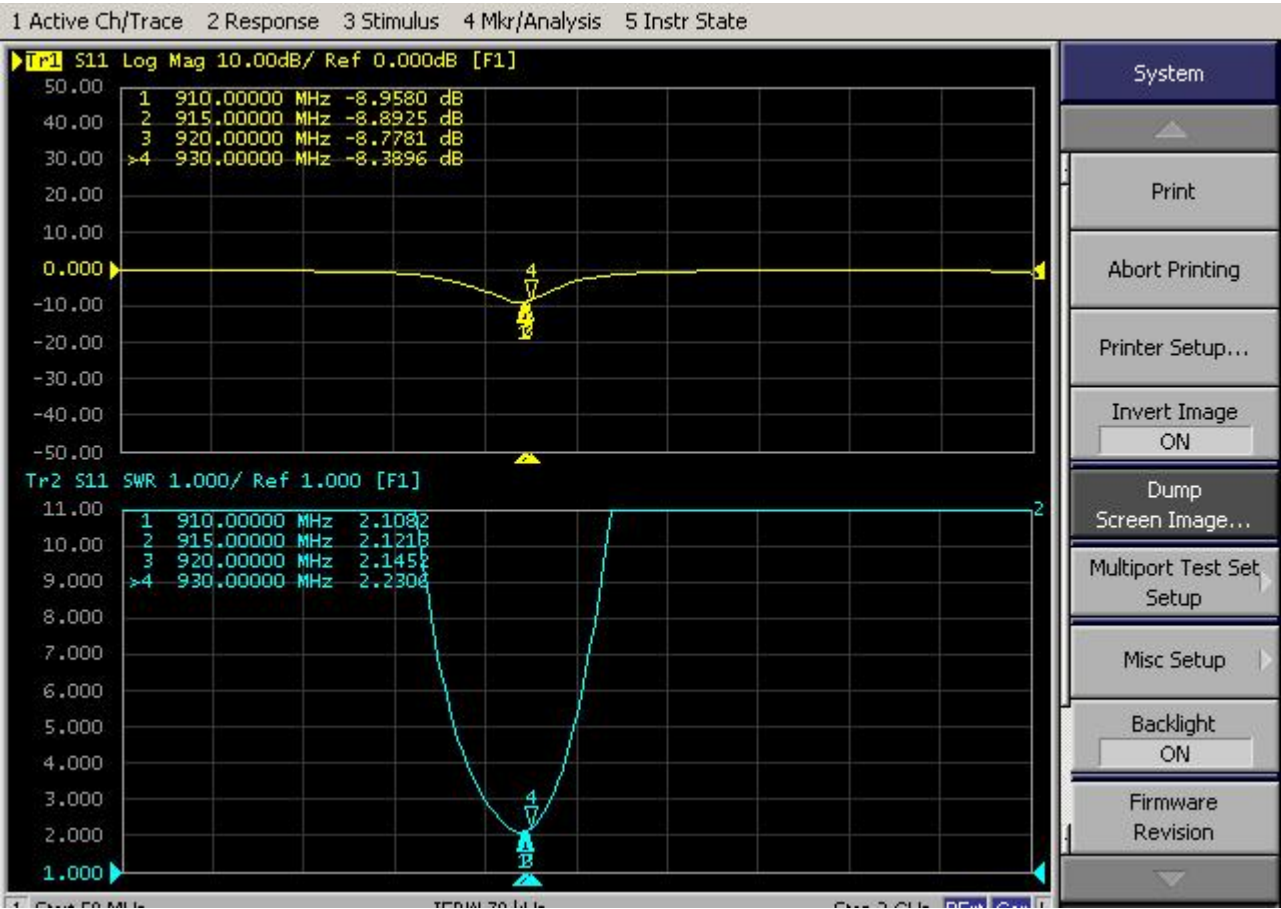
The key technical indexes		Main technical specifications	
Frequency range (MHz)	910-930	Frequency Range (MHZ)	910-930
Characteristic impedance (Ω)	50	Impedance(Ω)	50
Gain (dBi)	1 ± 1	Gain(dBi)	1 ± 1
Output voltage standing wave ratio	≤ 3.0	VSWR	≤ 3.0
Polarization mode	Linear polarization	Polarization	Linear
Directivity	Omnidirectional	Radiation	Omni-directional
Physical properties		Physical Properties	
Antenna material	PCB	Antenna cover	PCB
Connection method	IPEX	Connector Type	IPEX
Exposed line length	415MM	Exposed length	415MM
Working temperature	-20℃~+70℃	Operating Temp	-20℃~+70℃
Storage temperature	-20℃~+60℃	Storage Temp	-20℃~+60℃

3.Product Drawing:



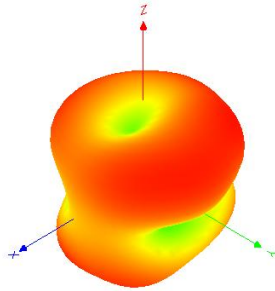
IV. Test Report:

4.1 Network Analyzer Test Report



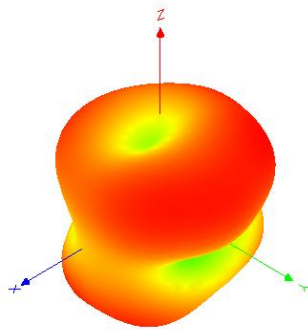
4.2 Darkroom 2D,3D Radiation Pattern

equency (MHz) : 910



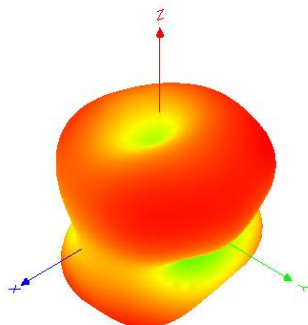
910MHZ

quency (MHz) : 920

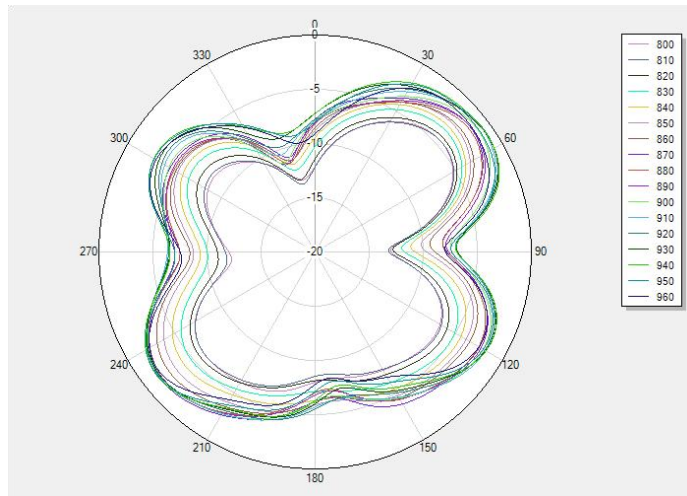


920MHZ

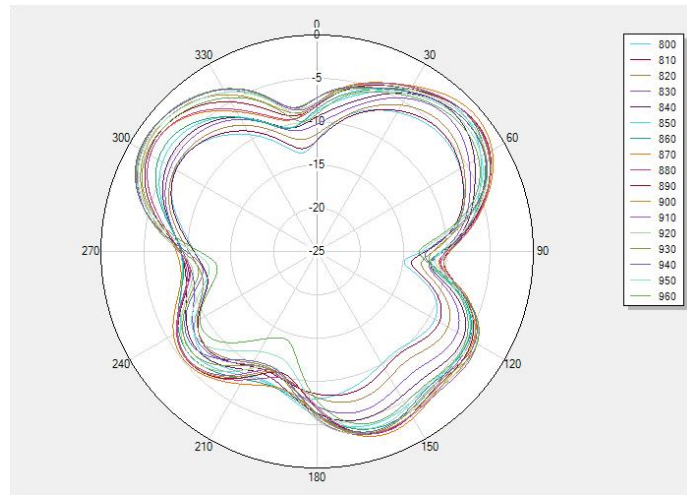
quency (MHz) : 930



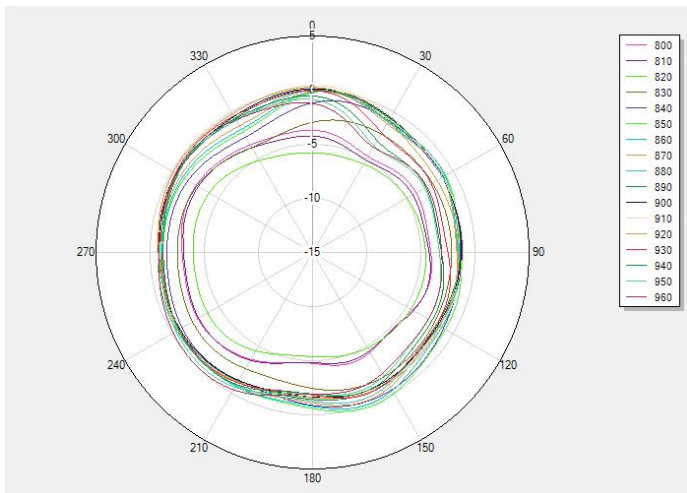
930MHZ



Phi 0



Phi 90



Theta 90

4.3 Antenna gain and efficiency

ANT		
Frequency (MHZ)	Gain (dBi)	Productiveness (%)
910	-0.42	38.9
920	-0.63	39.17
930	-0.59	39.81

V.Product drawing

