

Shenzhen yixin Electronic Technology Co.,Ltd

Page number 1-10

SPECIFICATION

for

Customer No.

Product No.

YX-AP900-1089-100MM-IPEX1

Author: XiaofengZeng Review: Wenshihao

Release Date: 2024.09.26

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Shenzhen yixin Electronic Technology Co.,Ltd

Contents

<u>SPECIFICATION.....</u>	<u>1</u>
<u>SHENZHEN YIXIN ELECTRONIC TECHNOLOGY CO., LTD</u>	<u>1</u>
<u>CONTENTS</u>	<u>2</u>
<u>1. BILATERAL CONFIRMATION PAGE.....</u>	<u>3</u>
<u>2. GENERAL</u>	<u>3</u>
<u>3. GENERAL PRODUCT SPECIFICATIONS</u>	<u>4</u>
<u>4. SPECIFICATION DETIALS</u>	<u>5</u>
<u>4.1 MECHANICAL PROPERTIES</u>	<u>5</u>
<u>4.2 ELECTRIC PERFORMANCE</u>	<u>7</u>
<u>5. PRODUCT PACKAGING.....</u>	<u>9</u>
<u>6. DOCUMENT RESUME</u>	<u>10</u>

1. Bilateral Confirmation page

1.1 Customer signature

Customer:

Separtment/post	Sign	Date
Hardware Engineer/RD		
Mechanical/MD		
Project Manager/PM		
Commercial/Puchasing		
Checker		

1.2 Shenzhen yixin Electronic Technology company

Separtment/post	Sign	Date
Antenna Engineer/RD	何旭东	2025.5.28
Mechanical/MD	丁涛	2025.05.28
Project Manager/PM	袁锦浩	2025.05.28
QA	李秀	2025.05.28
Checker	温世豪	2025.05.28

2. General

2.1 Scope of application

This specification is only applicable to 900-930Mhz.

2.2 Operating temperature range

Temperature range of this product: -20 ~ +65 °C

2.3 Storage temperature range:

This product is stored at - 30 ~ + 75 °C

3. General product specifications

NO	ITEMS	DETAILS
1	Type	JY battery camera
2	Operating Frequency Band	900-930MHz
3	VSWR	≤2.5
4	Impedance	50 Ω
6	Antenna Type	PCB
7	Antenna composition	Glue stick + coaxial cable
7	Entity Picture	

4. Specification Detials

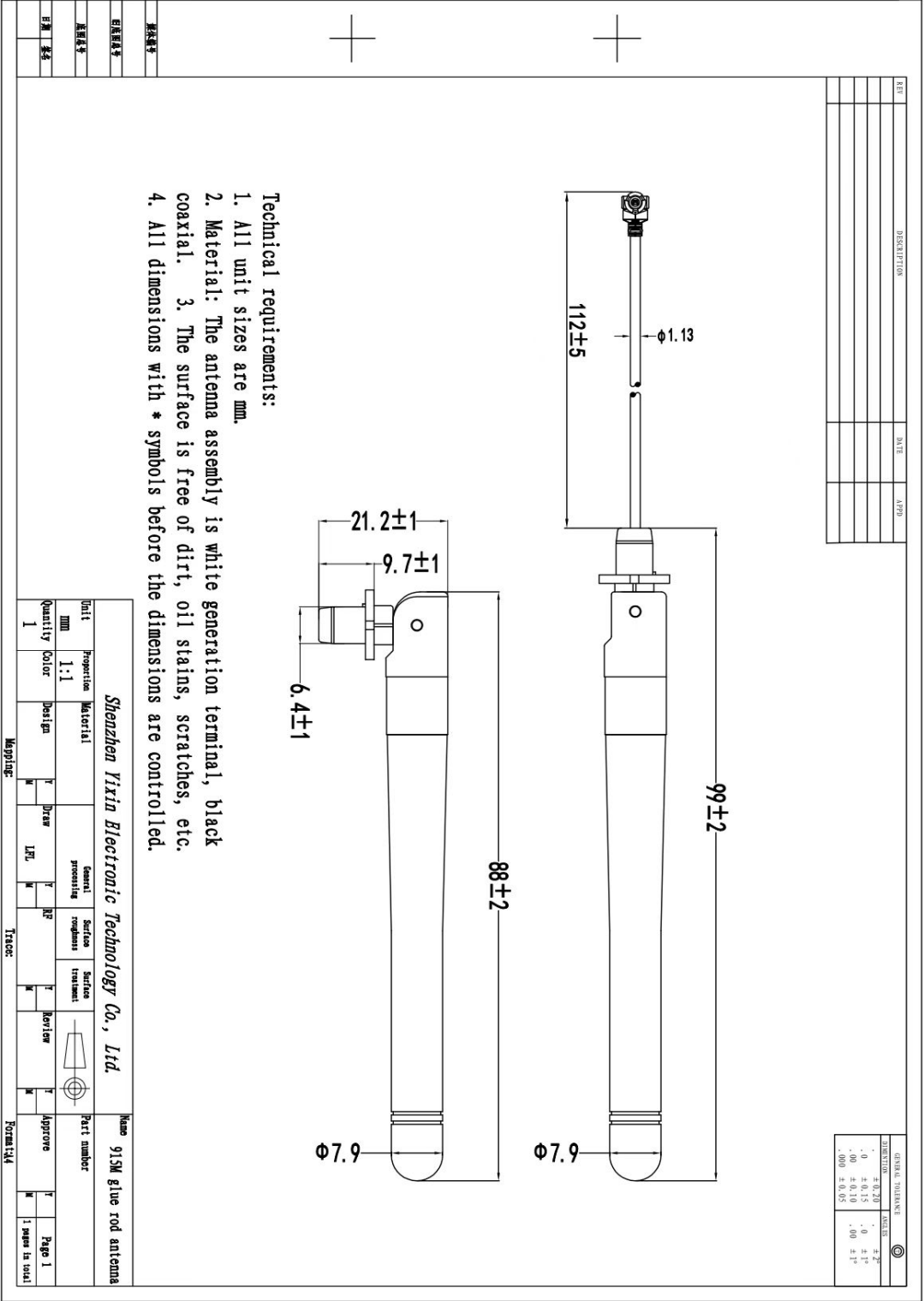
4.1 Mechanical Properties

4.11 Apperance

Good appearance without scars 、 dirt、 protuberances, etc.

4.12 Antenna Picture and Structure Dimension

Refer to product drawings:



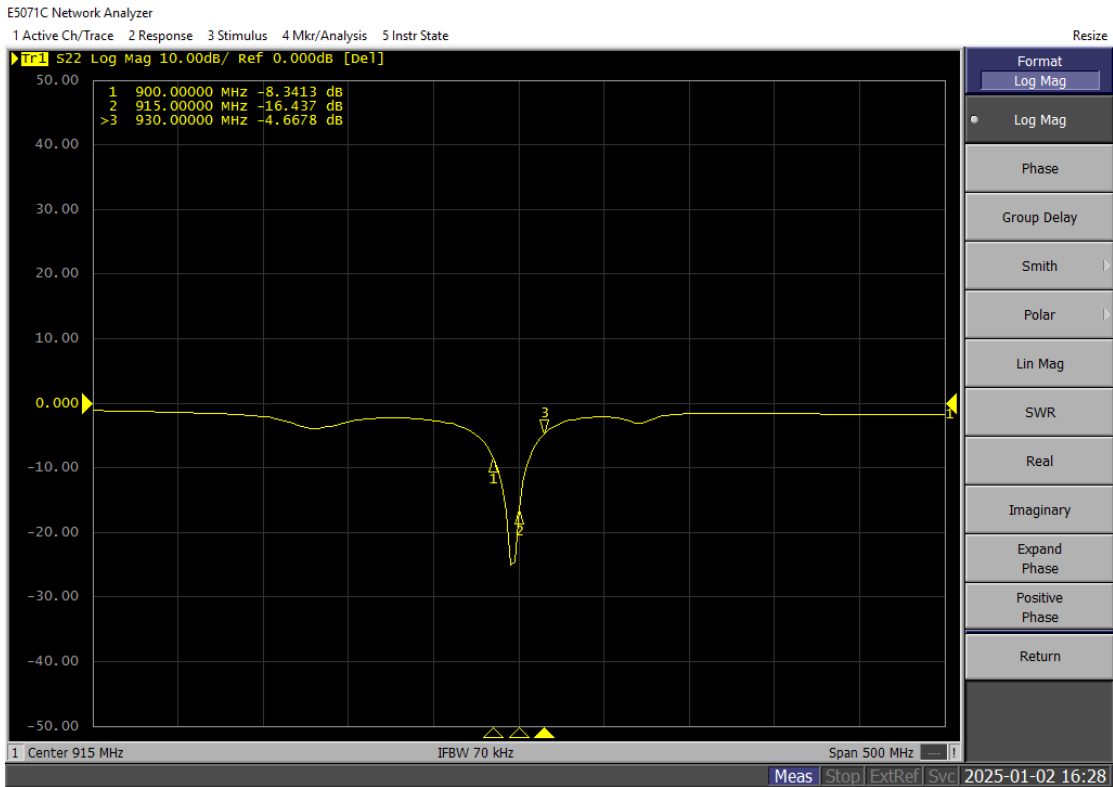
4. 2 Electric Performance

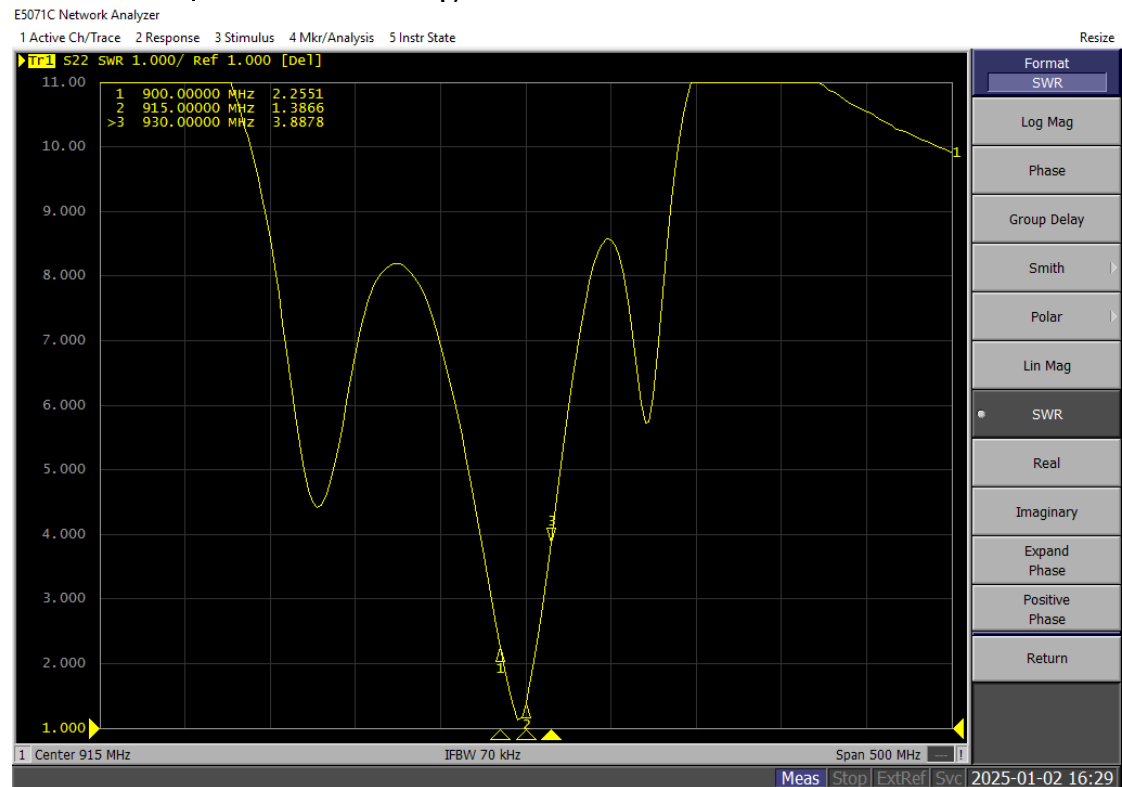
4. 21 Test condition

Environment:	Equipment:
Temperature: 10℃——+30℃	Network Analyzer: Agilent E8358A
Humidity: ≤80%（+40℃）	Anechior Chamber: ETS
Atmospher: 750mmkg±30mmkg	

4. 22 Test Data for Electrical Performance:

Marker	900MHz	915MHz	930MHz
Returnloss	-8.34	-16.43	-4.66
VSWR	2.25	1.38	3.88

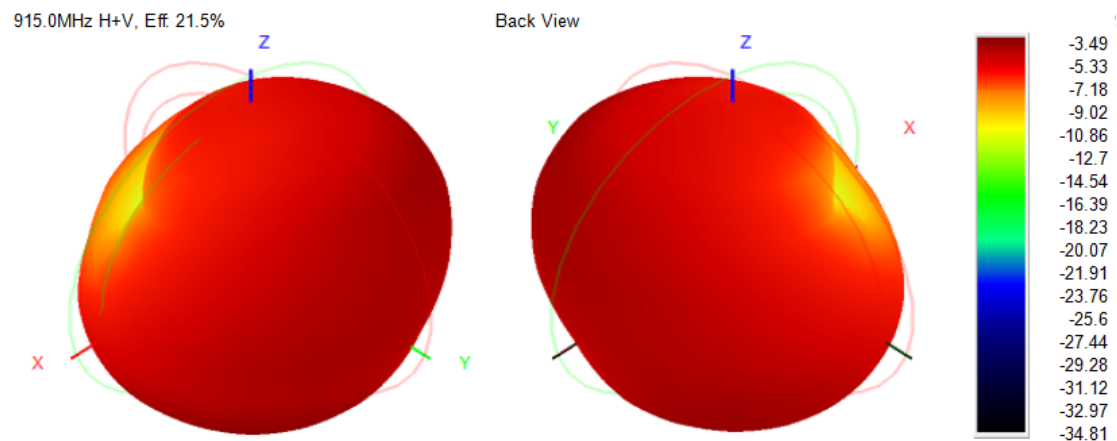


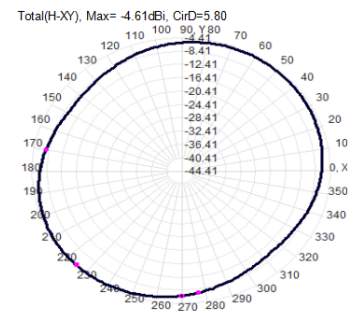
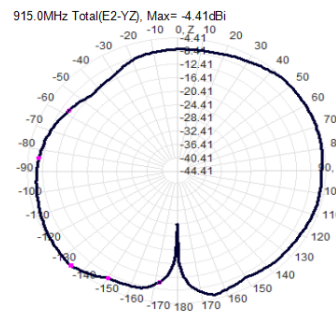
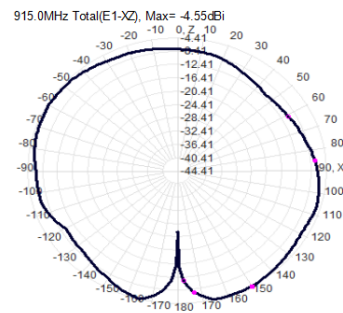


4. 23 Passive gain、 efficiency and Radiation Pattern:

Frequency (MHz)	Gain (dBi)	Efficiency (%)
900	-4.77	17.73
915	-3.49	21.55
930	-5.63	12.52

Radiation pattern of antenna, frequency:915MHz





5. Product Packaging

Manner of packing: Packed in self sealed bags, 200 pcs each.

6. Document Resume

Document No.	
Release Date	2024/9/26
Author	XiofengZeng
Review	WH

Revised History

Date	Version	Revised Record
2024/9/26	1.00	New Project