



承认书

客户名称: _____

客户料号: _____

物料名称: 天线

物料型号: HS0929-100

物料描述: 100毫米线长, 0.81线径, 1代端子

版 本: _____

客户承认		
工 程	品 质	批 准
盖章签署		
日 期		

供应商名称: 深圳市宏胜实业有限公司

工厂地址: 深圳市龙华区梅坂大道民乐科技园

电 话: 0755-29101884

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1. General Description

This document provides the antenna specifications on electric, mechanic and reliability. The testing conditions and related pictures are also included.

1.1 Print Acceptance

Samples and Antenna Specifications are to be sent to customer. When they are approved, the approval form should be completed, signed, and sent back to Hengxiangtong before further mass production batches can be delivered.

1.2 Coordinate System

The coordinate system for the phone is defined as follows:

- Origin in center of gravity.
- Positive X axis is perpendicular to, and directed from, front plane.
- Positive Y axis is perpendicular to, and directed from, right side plane (as seen from front).
- Positive Z axis is perpendicular to, and directed from, top plane.

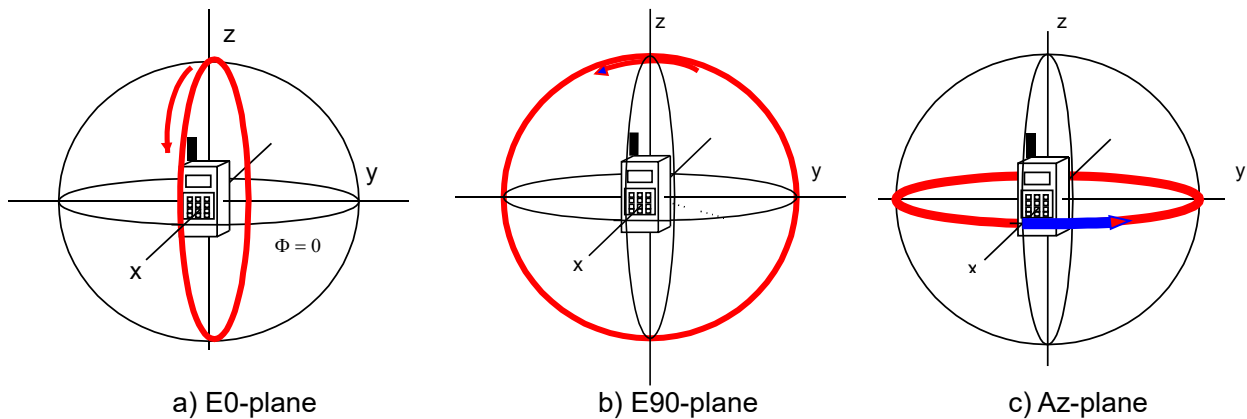


Figure 1-1 The coordinate system for the phone

2. Specifications

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ---- _HS0929-100. Figure 2-1 shows the antenna designed by HX & The fixturing of _HS0929-100.

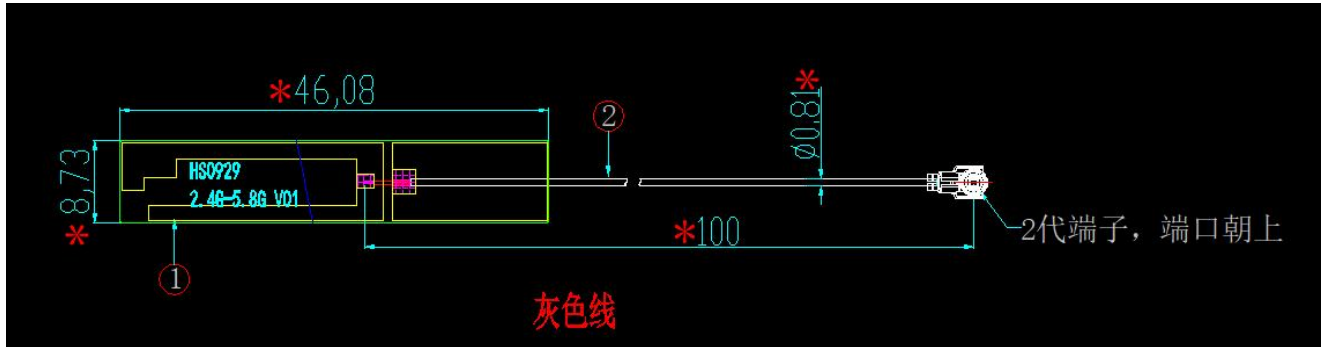


Figure 2-1 The antenna designed by HX & The fixturing of HS0929-100

2.1 Frequency Band

Band	Frequency(MHz)
2.4G&5.8G	2400-2500

2.2 Impedance

2.2.1 Nominal

Nominal Impedance(including matching circuit) : 50 ohms

2.2.2 Matching Circuit

The matching circuit is as Figure 2-2.

无

Figure 2-2: Matching circuit

2.3 Passive Measurements

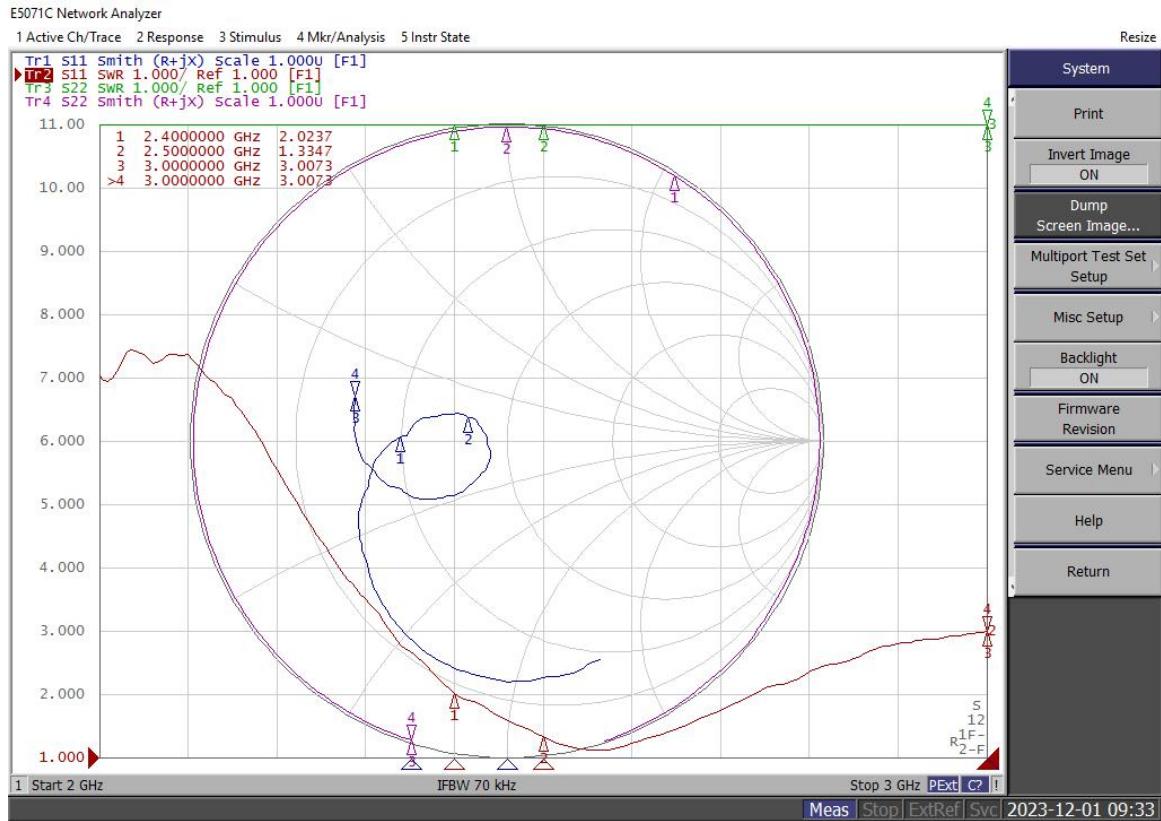
2.3.1 VSWR & Gain Specifications

VSWR		GAIN	
Freq. Band	SPEC	Freq. Band	SPEC
2400MHz&2500MHz	≤ 3.0	2400MHz&2500MHz	$\geq 0\text{dBi}$

2.3.2 S11 of the Typical Sample

Freq (MHz)	2400	2500
RL	-10.45	-13.63
VSWR	2.0	1.33

2.3.3 Gain Effi. & Ratiation Pattern of the Typical Sample



	EFF%	GAIN (dBi)
2400	65.8	2.1
2450	68.9	2.3
2500	70.2	2.5

3. Mechanical Properties

3.1 Specifications Drawings

Technical drawing of a cable assembly. The drawing shows a cross-section of a cable with a central conductor (1) and an outer jacket (2). Dimensions include a total width of 46.08mm, a central conductor diameter of 8.73mm, and a jacket thickness of 0.81mm. The length of the assembly is 100mm. The drawing is labeled '灰色线' (Grey line) and '2代端子, 端口朝上' (2nd generation terminal, port facing up).



4. Environmental Characteristic

Test Item	Test description
1. Low Temperature	Temp.: -20 °C Time: 24 hours
2. High Temperature	Temp.: 80°C Time: 24 hours
3. Salt Fog	5±0.1% Nad salt fog PH Value: 6.5-7.2 Temp: 35±1°C Time:24 hours