

SAMPLE & SPECIFICATION FOR APPROVAL

Customer: Shanghai Lovdream Communication Technology Co., Ltd.

Model NO: D557

Customer P / N:22A4D06002B

Version: V1.0

Specification Describe: Antenna (FPC)

Vendor P / N: HD0234-02-A04

Date: 2023-11-29

Sample and datasheet must be approved for 5PCS.

(Vendor Information)		
Approved By	Checked By	Issued By

No Customer appointed Material					Assign part
	R&D			Quality Engineering Department	Sales
Department	ID	MD	HW	Quality and Eng.Dep.	Sale & Marketing
Checked By	Jiangmin He	Jiangmin He	Xiwen Wang	Ye Liu	Ling Lin
Approved By	Jiangmin He	Jiangmin He	Wenkun Li	Ye Liu	Ling Lin
Final Judgment					
Remark					

Shanghai HEDA Electronics Co., Ltd

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Antenna Approval Sheet

Customer	Shanghai Lovdream Communication Technology Co., Ltd.		
Customer P/N	22A4D06002B		
Model	D557		
P/N	HD0234-02-A04		
Description	Antenna (FPC)		
Frequency	13.56MHz		
Initial Date	2023-11-29		
Revision	A		
Author	Antenna engineer	construction engineer	
	Wenkun Li	Jiangmin He	
Tel.	15937097057	13761676735	
Approval	R&D	PM	QE
	Chenyan Ni	Meiling You	Ye Liu

Customer Signature

Project Name: Lovdream _D557		Document Name: Lovdream _D557 _NFC antenna Approval Sheet _A
Date: 12-11-2021	Version:A	

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Project Name: Lovdream _D557		Document Name: Lovdream_ D557 _NFC antenna Approval Sheet _A
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1. Summary

This is the D557_NFC antenna approval sheet.

Working band is 13.56MHz

Design Specifications	Typical	Units
天线形式(Antenna Structure)	FPC	Pcs
工作频率(Working Frequency)	13.56	MHz
增益(Gain)	-	dBi
天线效率(Antenna Efficiency)	-	%
电压驻波比(VSWR)	-	
极化方式(Polarization)	linear	-
轴比(Axial Ratio)	-	-
辐射方向(Radiation Pattern)	omnidirectional	-
馈电阻抗(Impedance)	50	ohm
功率容量(Power Handling)	33	dBm
天线接口(Interface)	Foot play-	-
天线尺寸(Overall Dimensions)	See drawings	mm
重量(Weight)	-	g
工作温度(Operation Temp.)	-30 ° -70 °	℃
储存温度(Storing Temp.)	-30 ° -70 °	℃

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2. Antenna structure

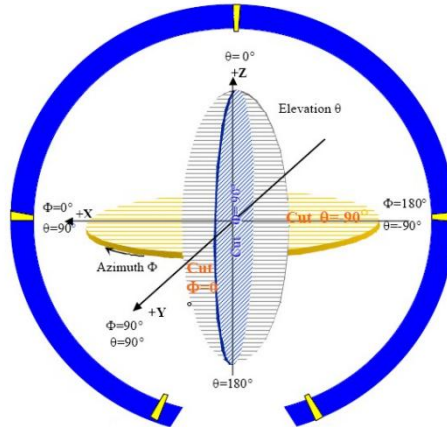
FPC+Ferrite

3. Test Environment

Agilent E5071C VNA is used to test return loss.

SATIMO SG24 chamber is used to test antenna efficiency and radiation pattern.

DASY5 is used to test SAR.



Picture 2 The 3D microwave darkchamber test coordinate system

4. Antenna Test Results

4.1 Antenna Photos (The picture only supply the reference)

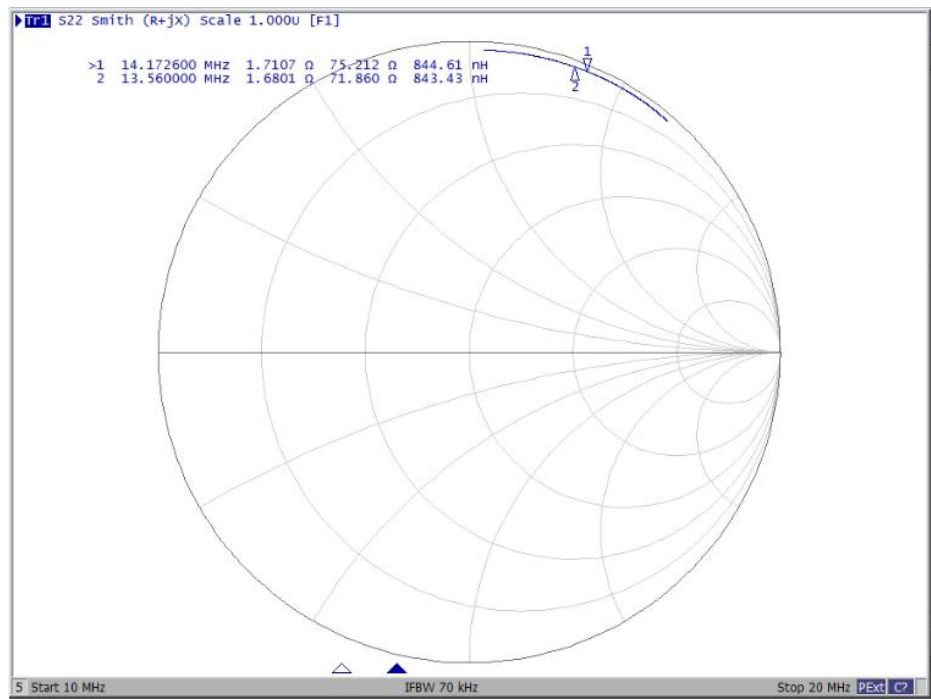


Picture 3. Antenna photograph

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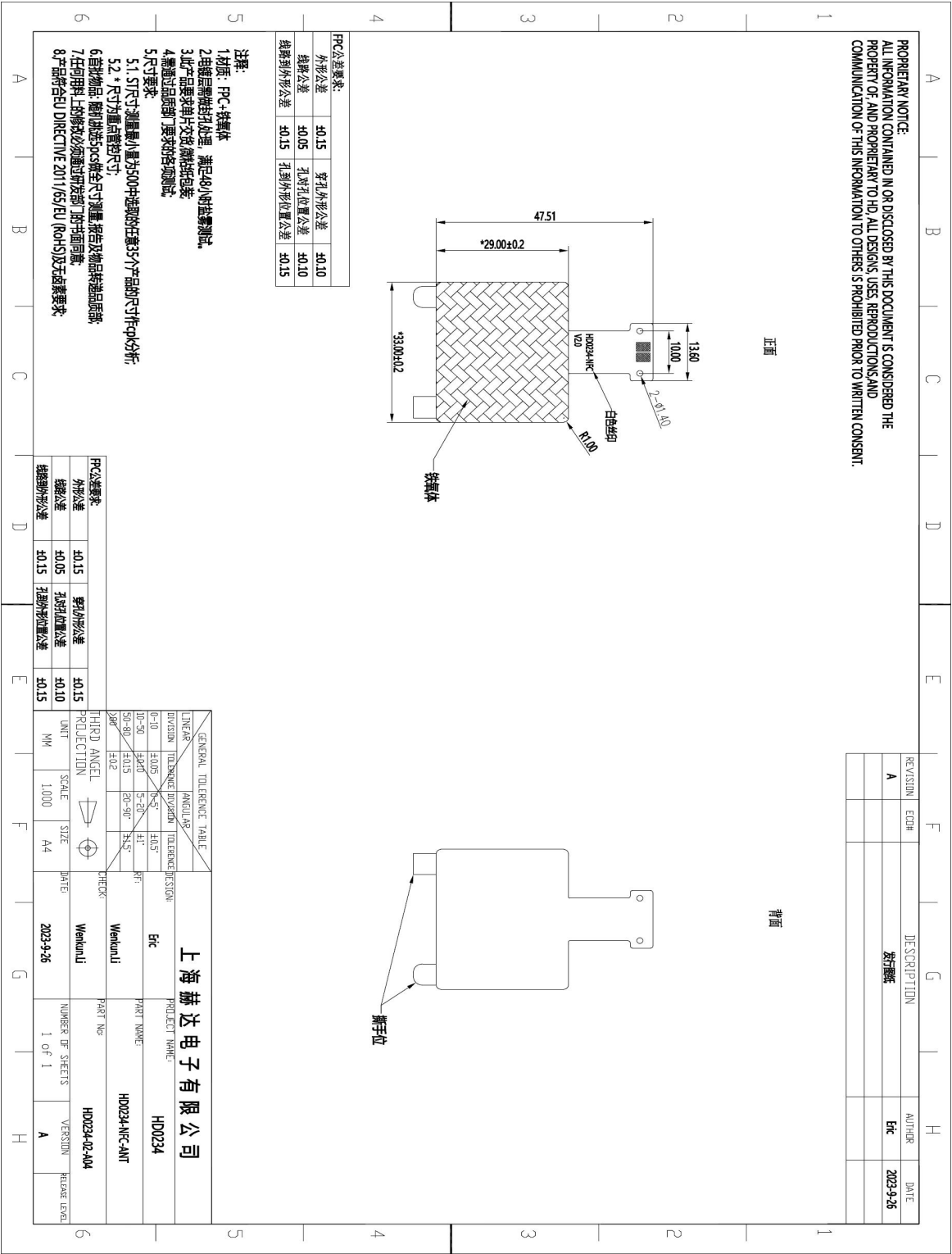
4.2 Smith chart



Picture 4

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4.3 Assumption diagram



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