



SAMPLE & SPECIFICATION FOR APPROVAL

Customer: Coosea Group Co.,Ltd

Model NO: TR54

Customer P/N:

Version: V1.0

Specification Describe: TR54 NFC Antenna (FPC+ferrite)

Vendor P/N:

Date: 2025-04-21

Address:Room 301,Building 12 No.1001,Yuyang Road,Yushan Town,Kunshan
City,Jiangsu Province

Sample and datasheet must be approved for 5 PCS .

HUIMI Information		
Approved By	Check By	Issued By
WangJinhui	SunQuan	YiQin

No Customer appointed Material				Assign Part
	R&D		QE	Sales
Department	MD	HW	Quality and Eng. Dep.	Sale& Marketing
Checked By	LIXU	Li ShengHua	LiWeiWei	LiMin
Approved By	LIXueQin	WangJinhui	YeLing	YiQin
Final Judgment	LiLinHua	LiLinHua	LiLinHua	LiLinHua
Remark				

Suzhou HuiMi Communication Technology Co.,Ltd
 Antenna Approval Sheet

Customer	Point Mobile Co., Ltd		
Customer P/N			
Model	TR54		
P/N			
Description	TR54-NFC ANTENNA (FPC+ferrite)		
Frequency	13.56MHz		
Initial Date	2025-04-21		
Revision	A		
Author	RF Engineer	ME	
	WangJinhui	SunQuan	
Tel.	18015467688	13405120400	
Approval	R&D	PM	QE

Customer Signature

Catalog

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1. Summary

This is the NFC antenna approval sheet

Working band is 13.56MHz.

2. Antenna Structure

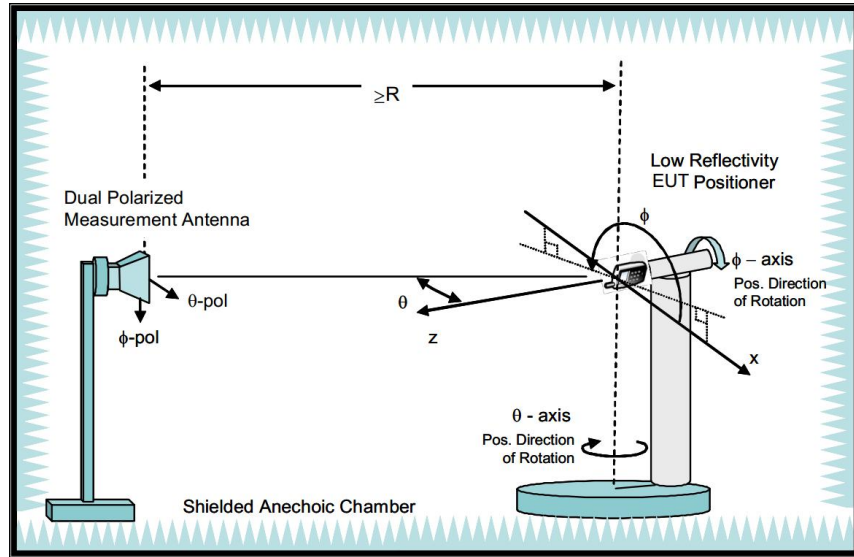
FPC+ferrite

3. Device Conditions



Picture 1 TR54 mobile phone photo

4. Test Environment



Picture 2 Test Environment photo

5. Antenna Test Results

5.1 Antenna Photos

Picture 3 NFC antenna photo

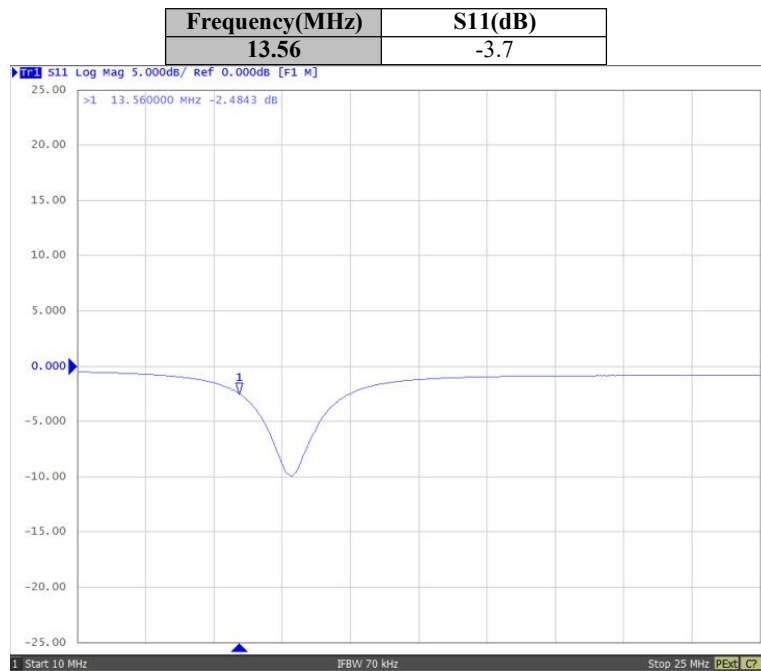
Project Name:PointmobileTR54_NFC antenna		Document:
Date :2025-2-5	Version: A	Pointmobile_TR54_NFC antenna Approval Sheet_A

5.2 Matching Network

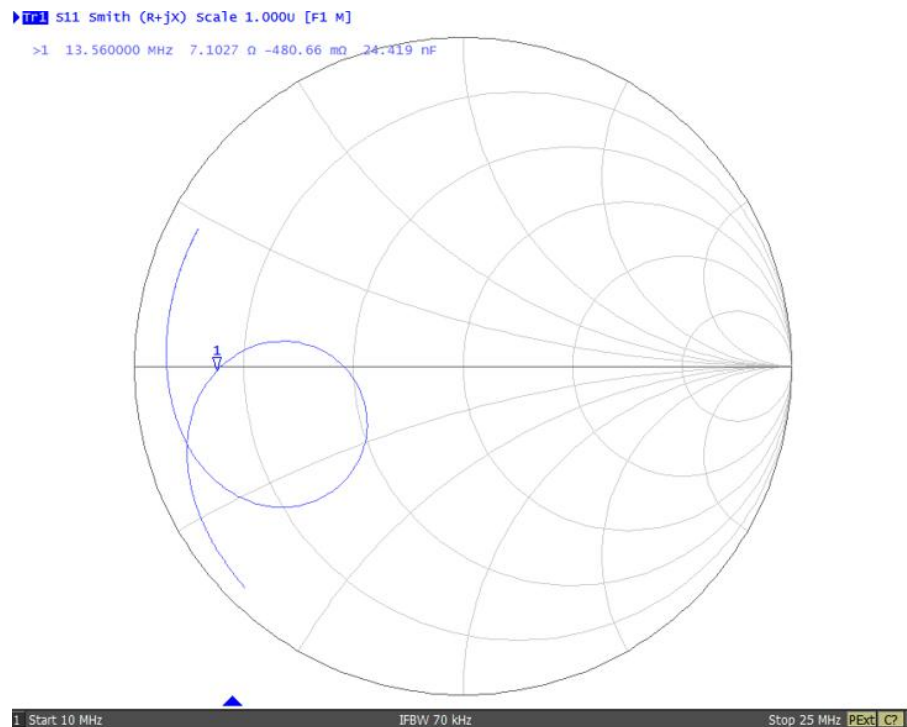
	Location	Description	Accuracy
EMI Filter	L1500/L1501	77nH	
	C1528/C1529	680pF	
Cs	C1518/C1519	33pF	±1%
	C1511/C1512	180pF	±2%
Cp	C1524	NC	
RP	R1513	NC	
Ccdmp	C1507/C1531	220pF	±2%
	C1525/C1526	22pF	

Picture 4 Matching network of NFC antenna

5.3 Return Loss(S_{11} ,Smith)



Picture 5 NFC antenna reflection coefficients (S_{11})



Picture 6 NFC antenna reflection coefficients (Smith)