

SAMPLE & SPECIFICATION FOR APPROVAL

Customer: Point Mobile Co., Ltd

Model NO: MF52_NFC天线

Customer P/N:

Version: V1.0

Specification Describe: MF52_NFC_Antenna (FPC+ferrite)

Vendor P/N:

Date: 2026-02-28

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	MF52_NFC天线		
P/N			
Description	MF52_NFC_Antenna (FPC+ferrite)		
Frequency	13.56MHz		
Initial Date	2026-02-28		
Revision	A		
Author	RF Engineer	ME	
	WangJinhui	SunQuan	
Tel.	18015467688	13405120400	
Approval	R&D	PM	QE

Customer Signature

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5. Mechanical Drawings	错误!未定义书签。
6. Dimension Report	错误!未定义书签。
7. Reliability Test	错误!未定义书签。
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1. Summary

This is the NFC antenna approval sheet

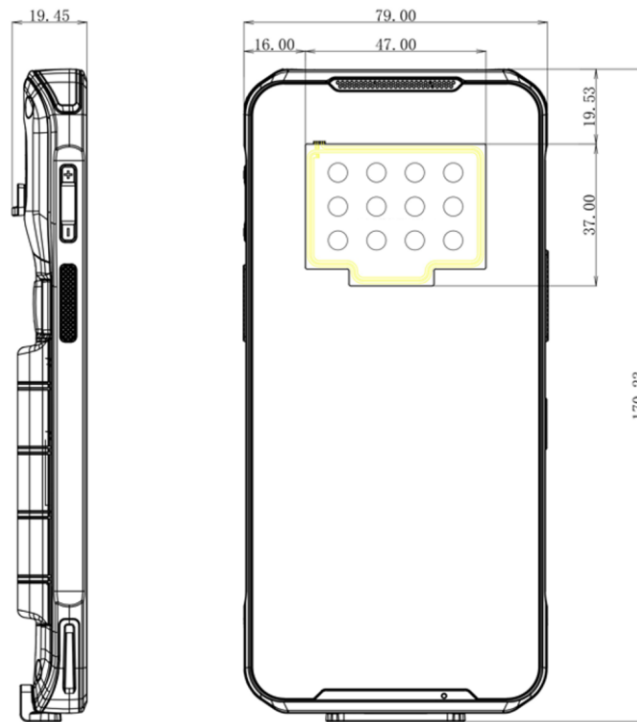
Working band is 13.56MHz.

2. Antenna Structure

FPC+ferrite

3. Device Conditions

Picture 1 MF52 mobile phone



4. Antenna Test Results

4.1. Antenna Photos



Picture 2 NFC antenna photograph

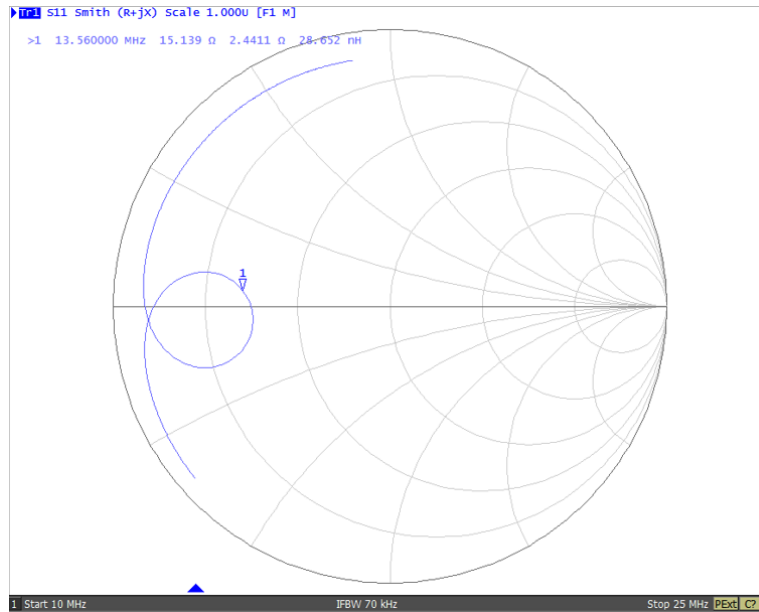
Project Name:Pointmobile MF52 _NFC antenna		Document: Pointmobile_MF52 _NFC antenna Approval Sheet_A
Date :2026-02-28	Version: A	

4.2 Matching Network

	Description	
EMC Filter	L5702/L5703	160nH
	C5722/C5723	680pF
Cs	C5726/C5727	12pF
	C5701/C5702	56pF
Ccdmp	C5730/C5731	27pF
	C5728/C5729	180pF

Picture 3 Matching network of NFC antenna

4.3 Return Loss(Smith)



Picture 4 NFC antenna reflection coefficients (Smith)

4.4 Read card distance

NFC reading distance							
Card type	Description	Spec	EVT	DVT	MVT	Test condition	
NFC 01	NFC Type 1 Tag, R/W Free	> 40	NVNT	NVNT	NVNT	*Battery 100%, LCD brightness 100%	
NFC 02	NFC Type 1 Tag, Readonly	> 40	NVNT	NVNT	NVNT		
NFC 03	NFC Type 2 Tag, R/W Free	> 40	NVNT	NVNT	NVNT	*Battery 100%, LCD brightness 100%	49
NFC 04	NFC Type 3 Tag, R/W Free	> 40	NVNT	NVNT	NVNT		48
NFC 05	NFC Type 4 Tag, R/W Free (A)	> 20	NVNT	NVNT	NVNT		25
NFC 06	NFC Type 4 Tag, R/W Free (B)	> 20	NVNT	NVNT	NVNT		20
NFC 07	NFC Type 4 Tag, 8K Bytes, R/W Free	> 20	NVNT	NVNT	NVNT		39
NFC 08	NFC Type 4 Tag, 32K Bytes, R/W Free	> 20	NVNT	NVNT	NVNT		30
NFC 09	NFC Type 5 Tag, R/W Free	> 50	NVNT	NVNT	NVNT		58
NFC 10	Mifare Tag, R/W Free	> 40	NVNT	NVNT	NVNT		45



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8. Packing Method

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9. Storage Management Method

Storage condition	-30℃~+70℃
Storage period	24 months

*MF52 is RoHS certified including this material.

10. Shipping inspection criterion

文件类别	NFC 成品检验规范		文件编号	版本版次	页次	
三阶文件			HM-QP-08-008A	A	1/1	
一、目的：让检验人员了解成品检验之规范 二、范围：适用于NFC成品检验用， 三、客户：/ 四、作业内容及判定标准：						
抽样计划	MIL-STD-105E 正常单次抽样 LEVEL II					
AQL	CR=0 MAJ=0.25% MIN=0.4% AQL0.40					
AQL level	AQL0.010, AQL0.015, AQL0.025, AQL0.040, AQL0.065, AQL0.10, AQL0.15, AQL0.25, AQL0.40, AQL0.65, AQL1.0					
项次	检验项目	检验标准	CR	MAJ	MIN	检验仪器
1	尺寸	按最新图面标示A之尺寸规格进行检测 每批出货量测10PCS	V			游标卡尺 投影仪、2.5D 治具
2	导通测试	按照《双面板产品导通测试规范》进行检测	V			万用表
3	外观检验	1. 材质:FPC+铁氧体 2. 检查正面的铁氧体不可有露铜、气泡、颗粒、起皱、脏污、堵孔等不良； 3. 反面贴好的产品不可有贴歪、脏污等不良；			V	目视 2.5D 限度样品
4	成品包装	1. 泡壳、纸箱、标签必须符合RoHS要求。 2. 产品进行分装，每包产品装好之后摆放到泡壳 3. 将泡壳叠放，进行包装，封箱，外箱贴合格标签 4. 包装数量参照Bom。			V	目视
修订记录	NO	修订日期	修订内容	版本	修订日期 年 月 日	
	1				制定日期 2019 年 10 月 18 日	
	2				核 准	技术审核 制 订
	3				易琴琴	王金辉 孙泉
	苏州微米通讯科技有限公司					