



规格承认书

Approval Sheet

客户名称 MEFERI

(Customer Name)

产品名称 MC45-NFC Antenna

(Specification)

客户料号

(product model)

产品型号 Antenna ferrite two in one

(O/I)

送样日期 2025-02-25

(Date)

Frequency band	NFC (13.56MHz)		
Version	A		
RF	Peng Wei	Confirm	
Structural Engineer	Yang Xuezhong		
Customer confirmation			
Date			

Catalogue

1. Marking

2. Electrical performance

2.1 Antenna Test

2.2 Antenna performance

3. Figure

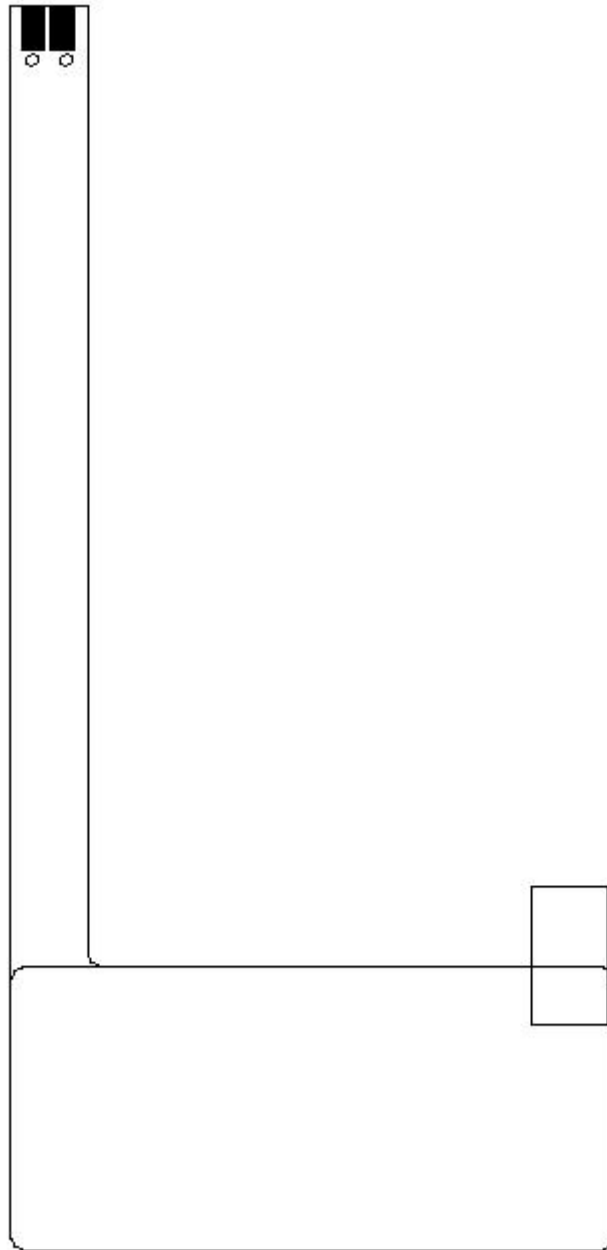
3.1 S11 Test electrical performance

4. Real card performance test

5. Structural drawings

1. Marking:

This report summarizes the results of the electrical performance of NXP-553 and proposes internal antennas to support the ME61 nfc antenna project. This antenna is a component in the 13.56MHz frequency band:



NFC antenna+ferrite

2. Electrical performance

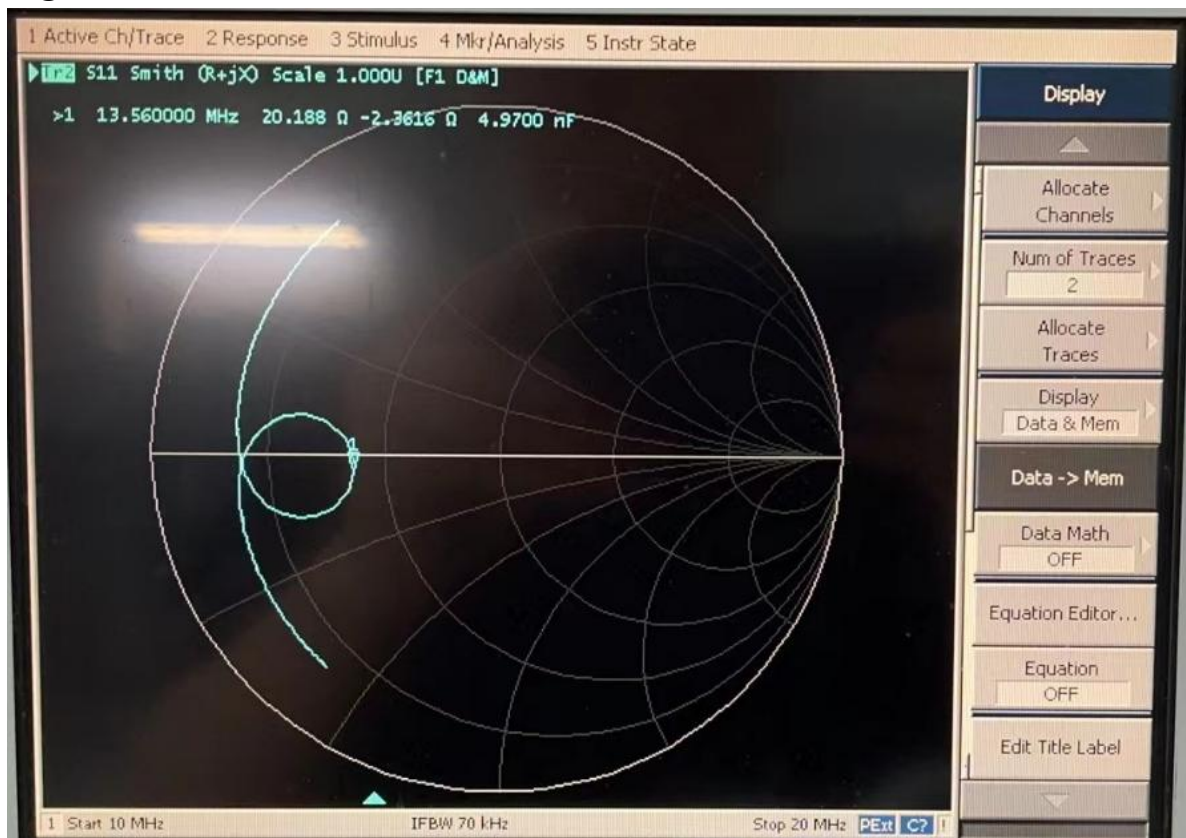
2.1 Antenna Test

Frequency	La	Rs	Rp	Fra	Q
13.56MHz	1.0~2.0uH	<1 Ohm	>1.5k	>35M	>10

2.2 Antenna performance

Actual testing was conducted using the ME61 complete machine installed antenna provided by the customer, mainly using distance sensing testing with a socket.

3. Figure

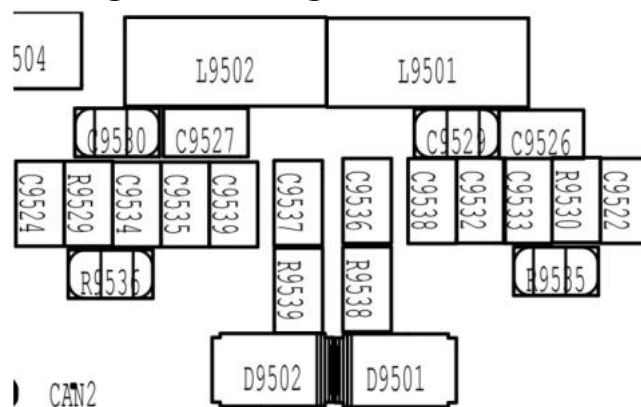


S11 Test electrical performance

4:Real card performance test

Test Card Category	Actual distance(mm)
Type 1	≥ 40
Type 2	≥ 45
Type 3	≥ 50
Type 4	≥ 25
Type 5	≥ 55
Gain:	-3dBi

Change matching section:



Match bits	Original matching	Changing
C9533+C9534	18PF	33PF
C9535+C9532	47PF	NC
C9538+C9539	100PF	82PF
C9536+C9537	27PF	22PF

5: Structural drawings

