



规格承认书

Approval Sheet

客户名称 麦孚瑞

(Customer Name)

产品名称 ME61-NFC 天线

(Specification)

客户料号

(product model)

产品型号 Antenna ferrite two in one

(O/I)

送样日期 2023-08-30

(Date)

Frequency band	NFC (13.56MHz)		
Version	A		
RF	彭巍	Confirm	
Structural Engineer	杨学忠		
Customer confirmation			
Date			

Catalogue

1. Marking

2. Electrical performance

2.1Antenna Test

2.2Antenna performance

3.Figure

3.1 S11Test electrical performance

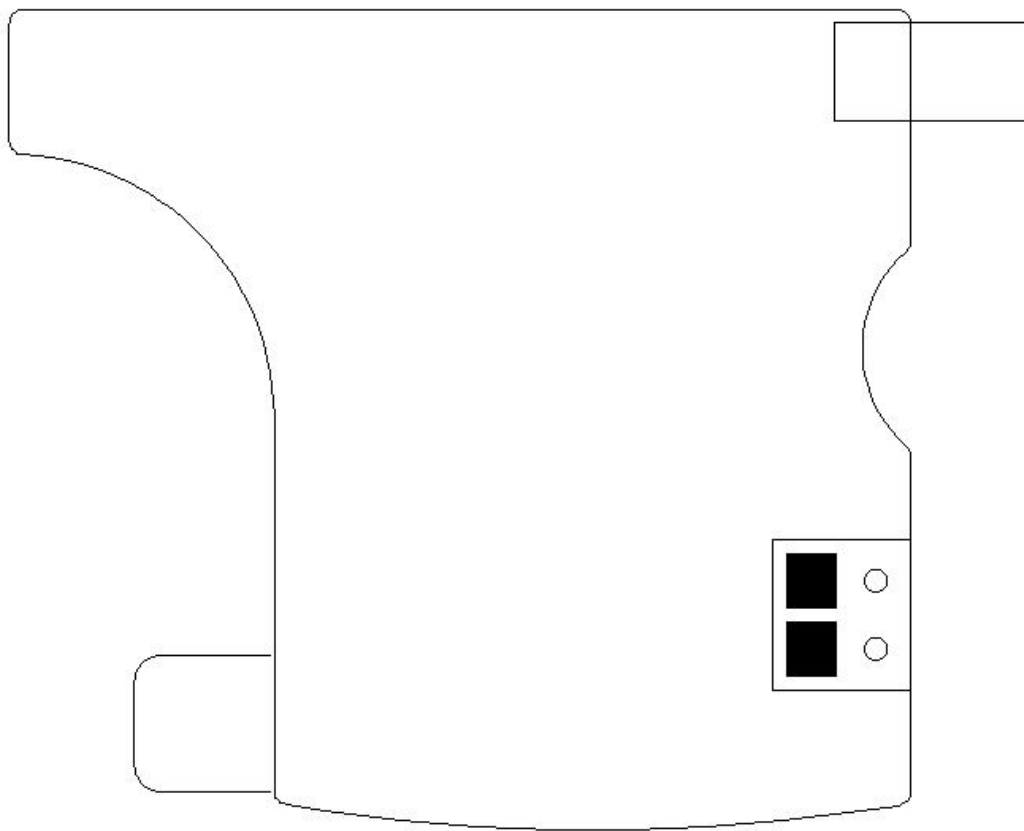
4. Real card performance test

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:

(Picture)



NFC antenna+ferrite

2.Electrical performance

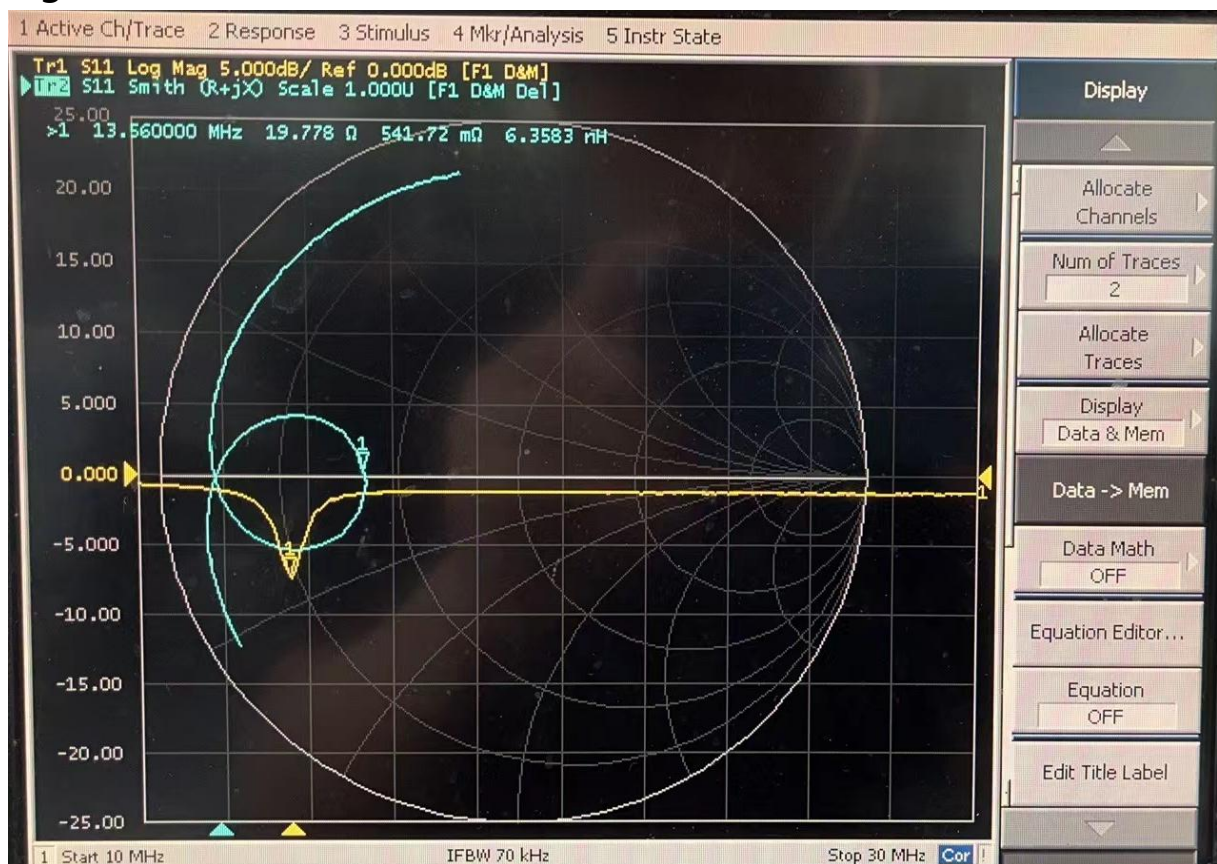
2.1 Antenna Test

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

2.2Antenna 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

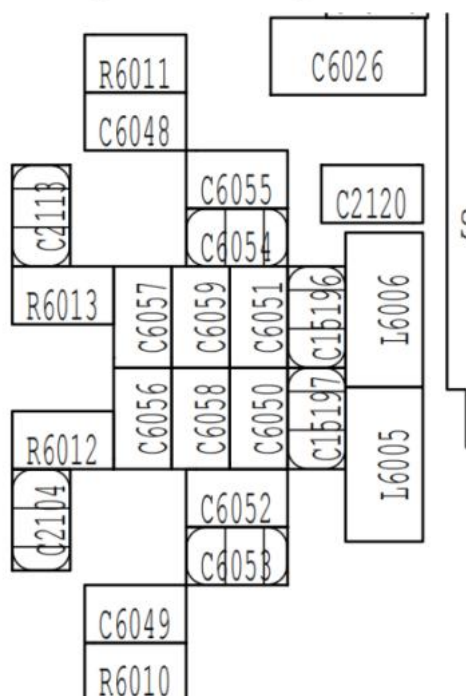


S11 Test electrical performance

4:Real card performance test

Test Card Category	Actual distance(mm)
Type 1	35-40
Type 2	40
Type 3	40
Type 4	15-20
Type 5	45-50

Change matching section:



Match bits	Original matching	Changing
C6050+C6051	180PF	330PF
C6052+C6055	20PF	68PF
C6058+C6059	68PF	220PF
C6056+C6057	33PF	100PF

5: Structural drawings

