



# **NFC Specifications**

## **T895**

---

# Table of contents

1. Frequency band required for customer antenna debugging design 3
2. Antenna diagram 3
3. Electrical performance 4
  - 3.1 Test method description and data 4
  - 3.2 Passive Test Report 4
  - 3.3 Antenna body parameters 5
4. Communication distance 5
5. Structure diagram 7



## 1. Frequency band required by customer antenna debugging and design

|           |          |
|-----------|----------|
| Frequency | 13.56MHz |
|-----------|----------|

## 2. Antenna diagram



NFC Antenna

### 3. Electrical performance

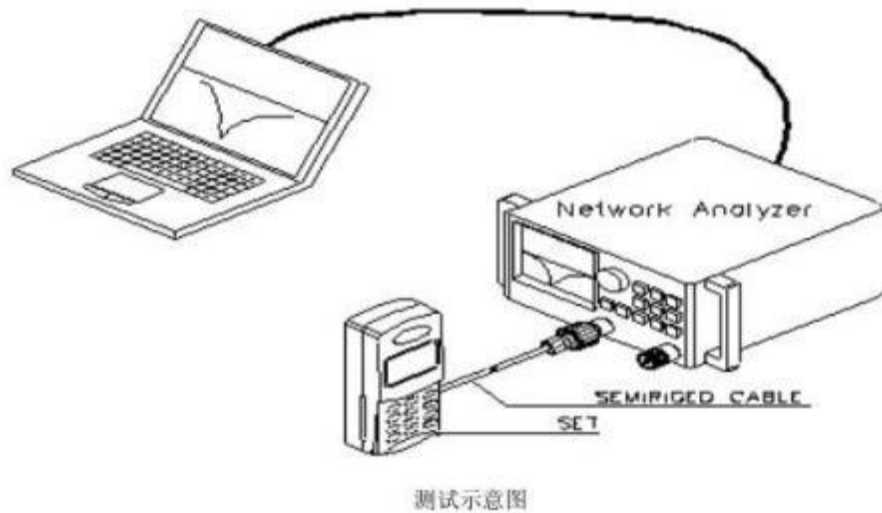
#### 3.1 Test method description and data

| Device Name             | Use                         |
|-------------------------|-----------------------------|
| Vector Network Analyzer | S11/Impedance/ Passive Test |

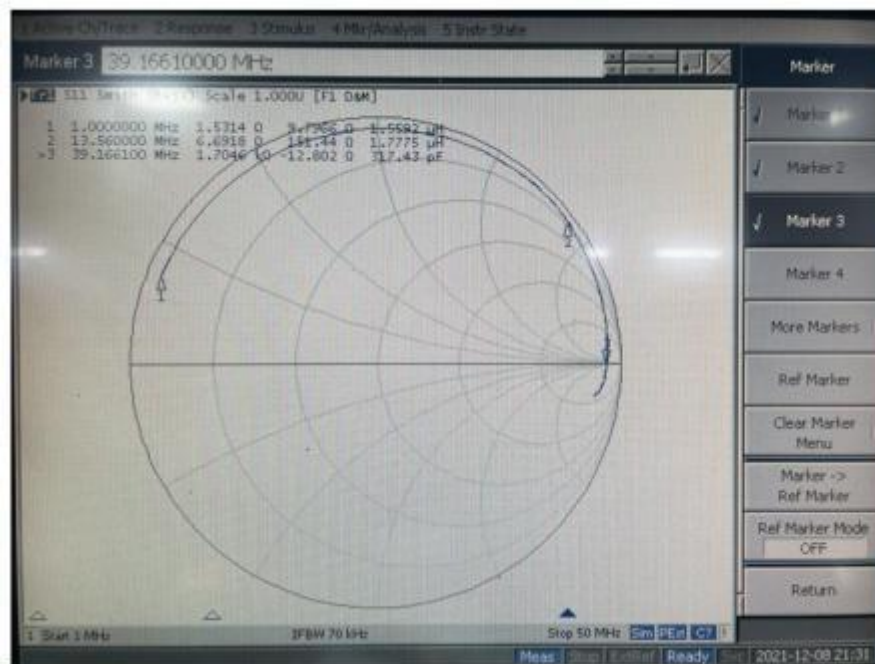
#### 3.2 Passive Test Report (无源测试报告)

Test equipment: Network analyzer

Test method: Use a 50-ohm CABLE cable to export from the instrument test port, calibrate it with a calibration kit, and then connect it to the SMA connector of the mobile phone tool. Record the return loss or standing wave ratio data corresponding to the relevant frequency points.



### 3.3 Antenna body parameters



|                    |       |
|--------------------|-------|
| Rs@1MHz<br>(Ω)     | 1.53  |
| Lant@1MHz<br>(uH)  | 1.55  |
| Frequency<br>(MHz) | 39.16 |
| Rp<br>(KΩ)         | 1.70  |

### 4 Communication distance

| Four types of standard cards       | Distance<br>(MM) |
|------------------------------------|------------------|
| Type1 tag (Mifare C1 assic 1K) :   | 42               |
| Type2 tag (Mifare Ultra Light, ) : | 40               |
| Type3 tag (Mifare Ultra Light-C) : | 35               |
| Type4 tag (DESFire EV1) :          | 30               |

5. Structure diagram

