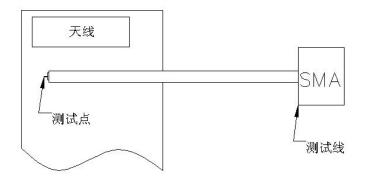
1.Project Image 2.Test Fixture 3. Antenna matching circuit 4.S11 test 5. Antenna passive efficiency and gain 6. Darkroom test equipment and data 7. Schematic diagram of antenna assembly 8. Antenna environment handling 9. Antenna mass production index 10.Structural drawing

### 1.Project Image

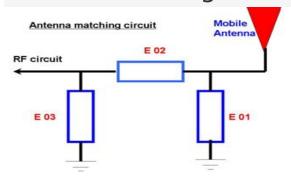
The final verification antenna performance prototype in our company for at least one year, easy to analyze and solve the problem of antenna mass production, to ensure the quality of antenna shipment

#### 2.Test Fixture

Objective: to test the passive parameters of antenna as accurately as possible. Making Method: the handset is made of a 50 ohm coaxial cable, one end of which is connected to the test point of the back end of the matching circuit of the handset motherboard (front end of the RF test hole), and the other end is connected to the SMA joint. The diagram is as follows:



### 3. Antenna matching circuit



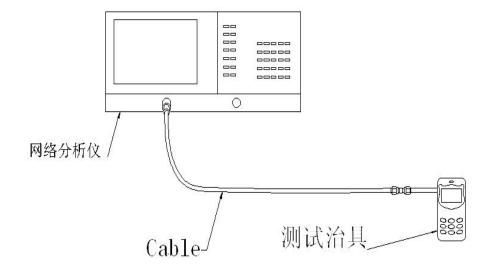
**Modify** 

E01	E02	E03
No	No	No

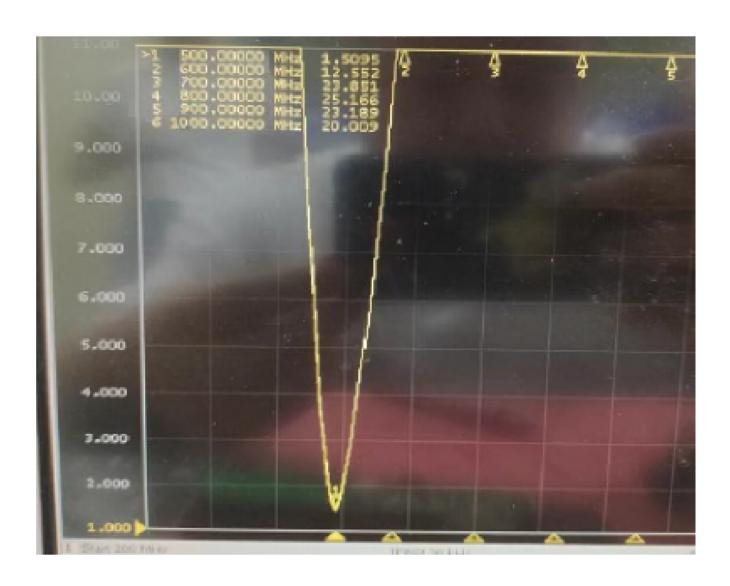
Note: The match is unmodified.

#### 4.S11 test

4.0 4.0s11 test method description of test equipment: Network Analyzer (E5071C) test method: a 50 ohm CABLE is used to export from the instrument test port. The SMA connector for connecting the handset is calibrated using a calibration piece, record the echo loss and standing wave ratio corresponding to the relevant frequency points. The test schematic is as follows:



# 4.1 SWR



#### 5.Darkroom test equipment and data

## 6.Test Equipment

Test system: shielded darkroom

The temperature was 22 ° C ± 3 ° C and the

humidity was 50% ± 15%

Test equipment: when testing passive data, use the Network analyzer AGILENTE5071C to test active data, use the omnibus CMW500



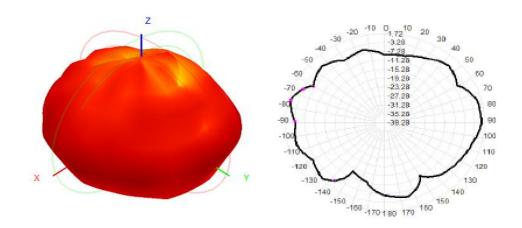


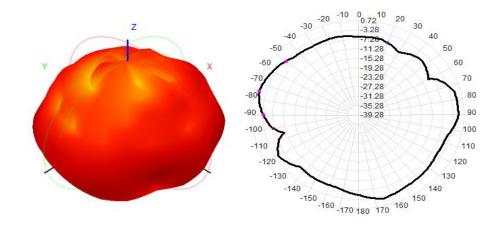




### 7. Active antenna test data

测试数据:				
510	30.5	0.65		
520	31.4	0.66		
530	32.5	0.61		
540	33.6	0.82		
550	34.5	1.21		
560	31.6	0.97		





# 8. Schematic diagram of antenna assembly

# 9.Antenna environment handling

# 10.Antenna mass production index

When the antenna is		
mass-produced, the		
standing wave ratio is		
taken as the	Standard for volume	
mass-produced test	production	
standard. Based on the	production	
differences of the project		
itself, the following criteria		
are given:		
	VSWR (Mass Production	
	performance) & LT;	