



根通通信技术有限公司

Gentong Communication Technology Co.,Ltd

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Antenna Type:PCB Antenna

Model name:M520D

Frequency Range:2402~2480MHz

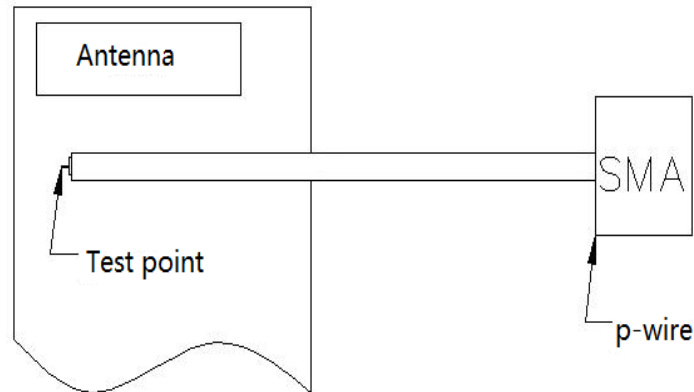
Antenna Gain:-0.9dBi

1. Passive test fixture

Objective: To test the passive parameters of the antenna as accurately as possible.

The manufacturing method: The manual machine tool uses a 50-ohm coaxial cable.

One end is connected to the test point at the rear end of the matching circuit on the mobile phone's mainboard (the front end of the RF test hole), and the other end is connected to the SMA connector. The schematic diagram is as follows:

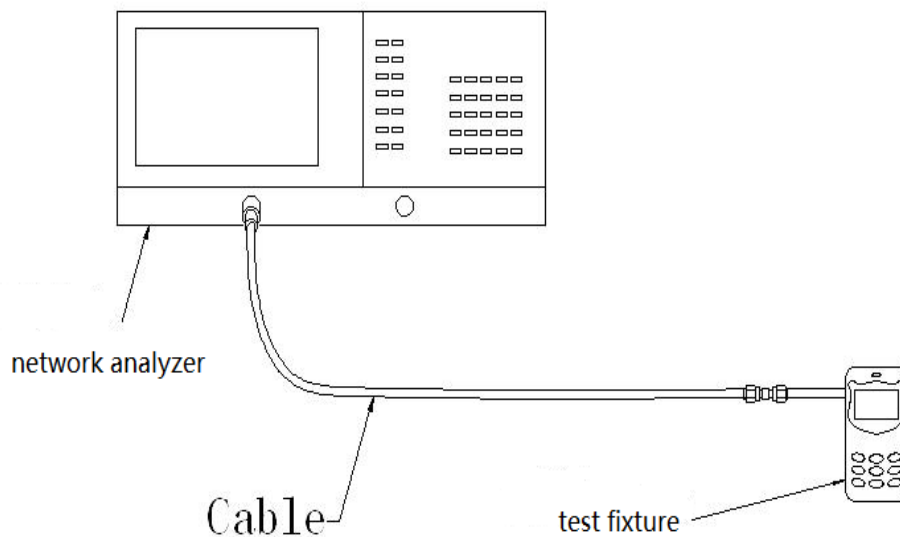


2.S11 test

S11 Test Method Description

Test equipment: Network analyzer (Agilent 8753D)

Test method: Export a 50-ohm CABLE from the instrument's test port, calibrate it with a calibration piece, and then connect it to the SMA connector of the manual mechanism. Record the return loss and standing wave ratio corresponding to the relevant frequency points

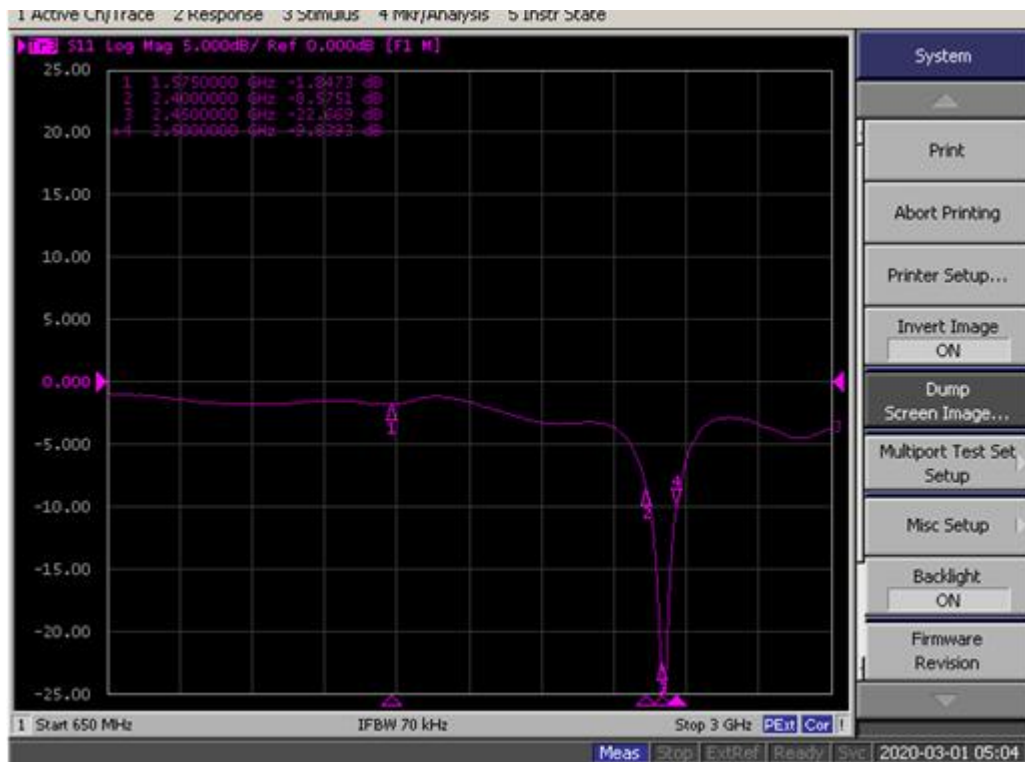




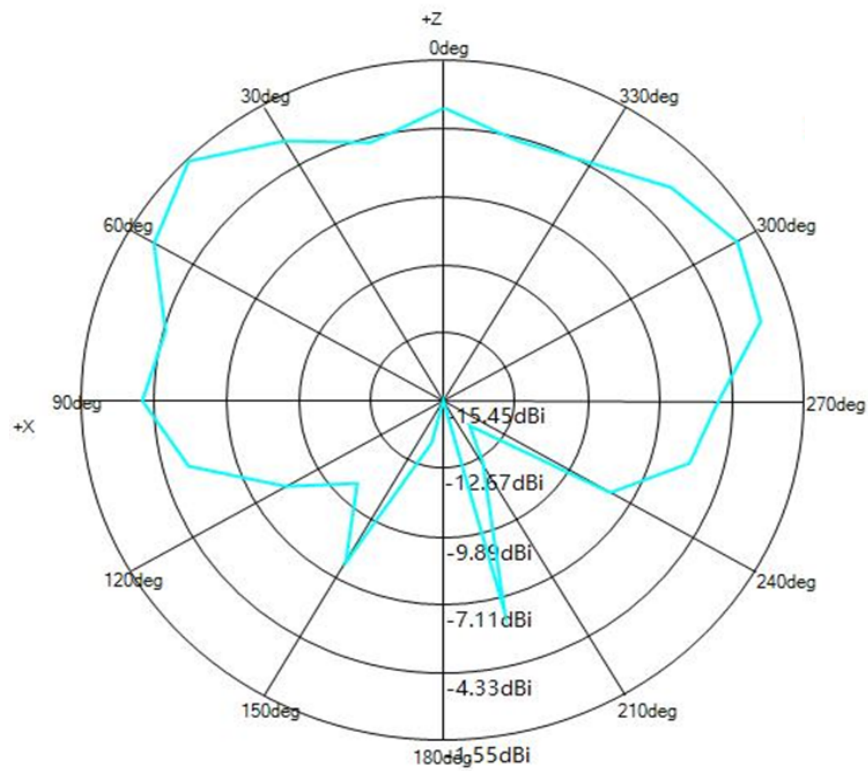
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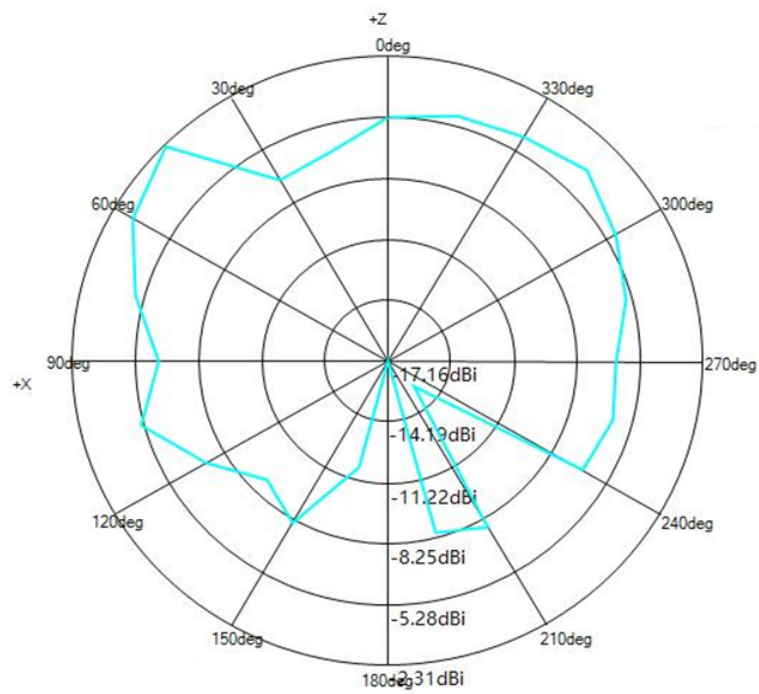
3 S11 parameters



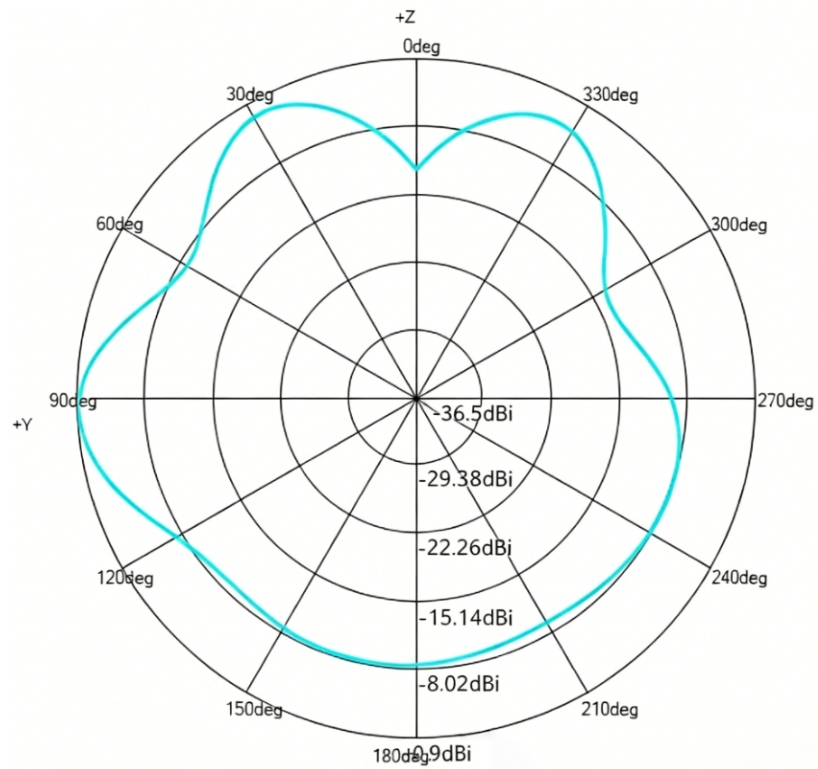
Antenna photo



Frequency: 2402MHz, Gain:-1.55dBi



Frequency: 2441MHz, Gain:-2.31dBi



Frequency: 2480MHz, Gain:-0.9dBi