



Shenzhen Xinlingke Technology Co., Ltd.

# Antenna Test report

Model Name: X300

Date:

[www.kpantenna.com](http://www.kpantenna.com)

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# 01.Project Introduction and Photoes-Project Introduction



|                          |               |                |                   |
|--------------------------|---------------|----------------|-------------------|
| RF Engineer              | Engineer Kong | Email          | 2532625702@qq.com |
|                          |               | Mobile         | 18477016343       |
| Antenna Overview         |               |                |                   |
| Status of Sample machine | monopole      | Project Name   | X300              |
| Antenna Type             | PIFA          | Structure mode | FPC               |
| Main Antenna             |               |                |                   |
| Other Antenna            | BT            |                |                   |

# 01.Project Introducation and Photoes-Photos



The front



The back



## 03.Introduction of Company and Test Environment- Company



### Company Experience

Shenzhen Xinlingke Technology Co., Ltd. owns 12 years of experience in R & D and production of various mobile communication terminals. Company has established a joint RF device laboratory with universities. Company is proficient in antennas of 5G NSA and SA, ultra thin mobile phones, NB IOT / EMTC, and base station.



### Product Range

The products of company cover many fields, such as smart home, Internet of vehicles, smart wear, mobile phones, pad, base station etc.



### Core Task

Company has been committed to improving our long-term competitiveness by providing whole RF solution, insisted on taking customer demand as the first place.

### 03.Introduction of Company and Test Environment-Test Environment



**The company owns several OTA darkrooms whose frequency bands covers from 400mhz to 8.5ghz.**

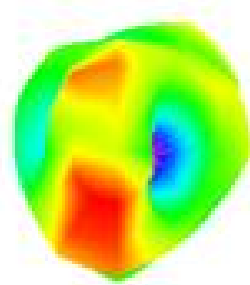
- Providing OTA test for whole machine which include but not be limited to 5G NSA, SA(trp/tis), WiFi active test (supporting 11b/11g/11n/11ax mode), bluetooth/GPS active test
- Providing antenna gain and efficiency
- Providing 2D pattern / Apple chart analysis
- Providing upper and lower hemisphere efficiency
- Providing mutual interference correlation coefficient test items.

## Passive data

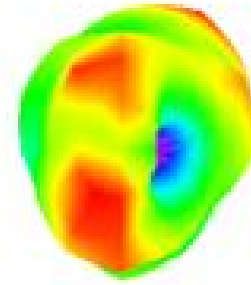


| Freq<br>(MHz) | Gain<br>(dBi) |
|---------------|---------------|
| 2400          | -0.14         |
| 2410          | 0.07          |
| 2420          | 0.15          |
| 2430          | 0.23          |
| 2440          | 0.53          |
| 2450          | 0.91          |
| 2460          | 0.47          |
| 2470          | 0.36          |
| 2480          | 0.31          |
| 2490          | 0.19          |
| 2500          | -0.15         |

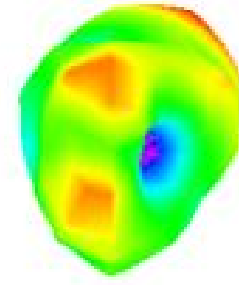
2400.000MHz



2450.000MHz



2500.000MHz



# Antenna location diagram



The BT antenna  
assembly position

# Complete machine environment treatment



The main day and the screen  
are grounded

## Antenna file

