



Shenzhen Xinlingke Technology Co., Ltd.

Antenna Test report

Model Name: X300

Date:

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01.Project Introdution and Photoes-Project Introdution



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

01. Project Introduction and Photos-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.

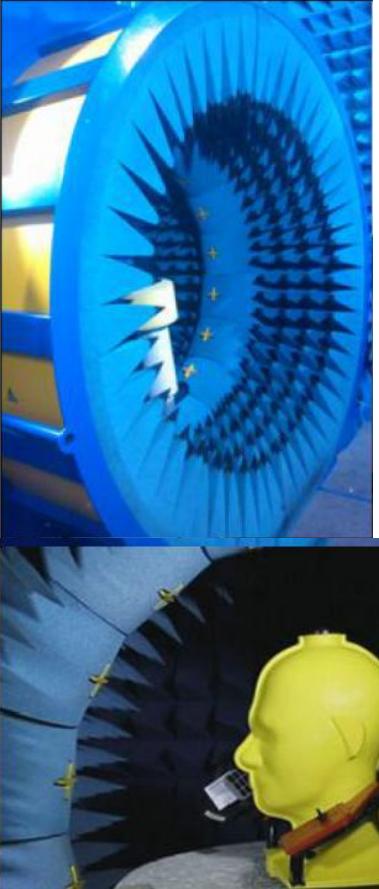
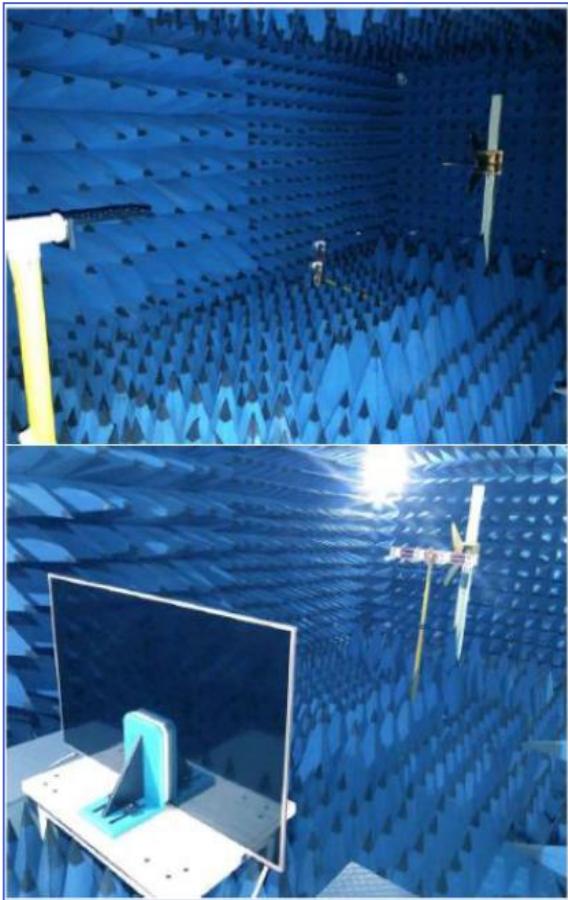
Product Range

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

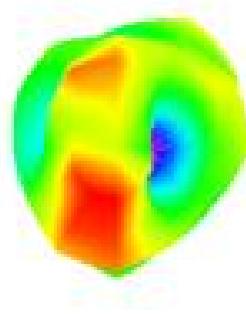
- Providing antenna gain and efficiency
- Providing 2D pattern / Apple chart analysis
- Providing upper and lower hemisphere efficiency
- Providing mutual interference correlation coefficient test items.

Passive data

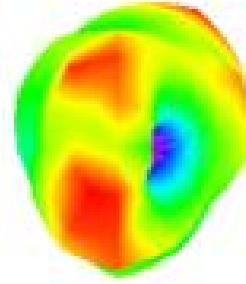


Freq (MHz)	Gain (dBi)
2400	-0.14
2410	0.07
2420	0.15
2430	0.23
2440	0.53
2450	0.91
2460	0.47
2470	0.36
2480	0.31
2490	0.19
2500	-0.15

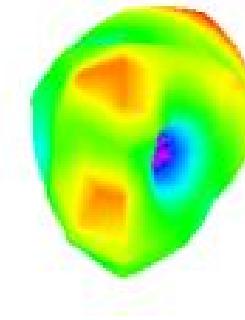
2400.000MHz



2450.000MHz



2500.000MHz



Antenna location diagram



The BT antenna
assembly position

Complete machine environment treatment



The main day and the screen
are grounded

