



# Antenna Specification

Manufacture: TUYA

Product Name: XR3 Antenna

Antenna Type: PCB

Test Date: 2020.11.25

Tested by: Ruan Haigang

Approved by: Licco



## Content

1.General Description .....	1
2.Test Results .....	2
2.1 Gain and Efficiency .....	2
2.2 Radiation Pattern .....	3
3.Antenna Dimensions .....	4
4.EUT Photo .....	4
5. Test Setup Photo .....	5



# 1.General Description

Manufacturer	Hangzhou Tuya Information Technology Co.,Ltd
Address	Room 701,Building 3,More Center,No.87 GuDun Road, Hangzhou, Zhejiang,China
Test Location	Room 106, Building 3, Letong Science Park, No. 500, Qiuyi Road, Binjiang District, Hangzhou
Product Name	XR3 Antenna
Product model	XR3
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979



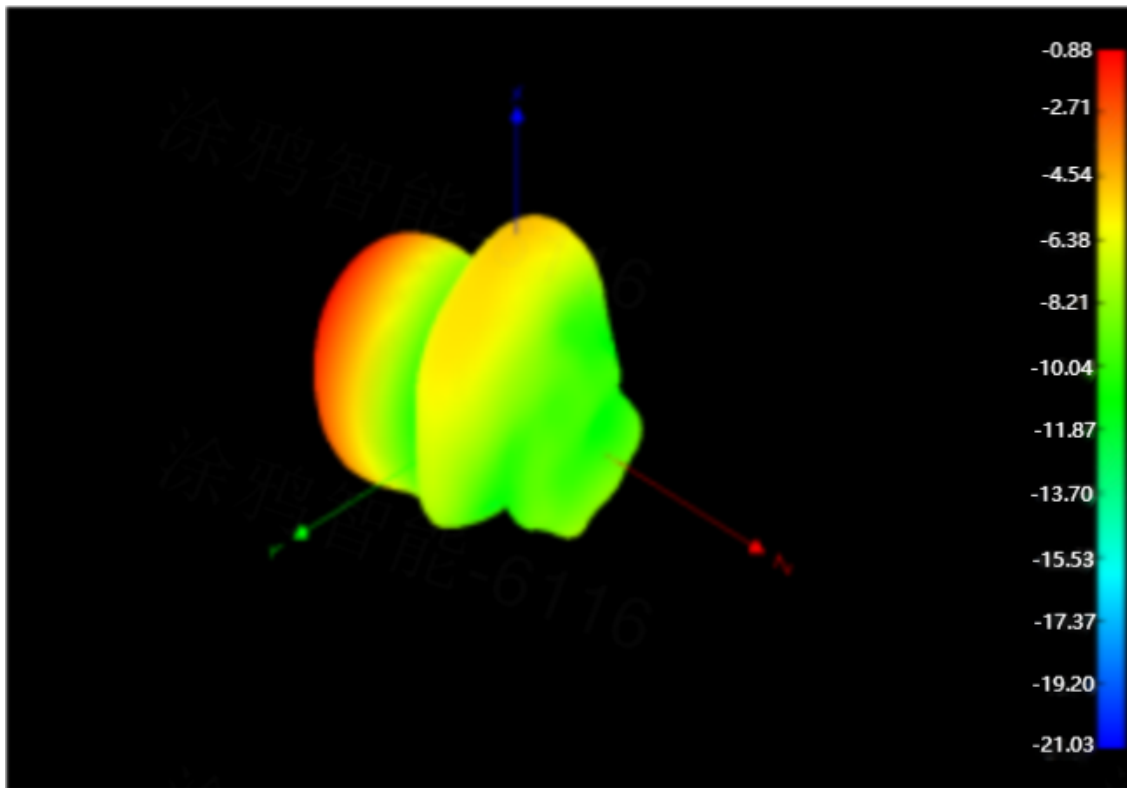
## 2.Test Results

### 2.1 Gain and Efficiency

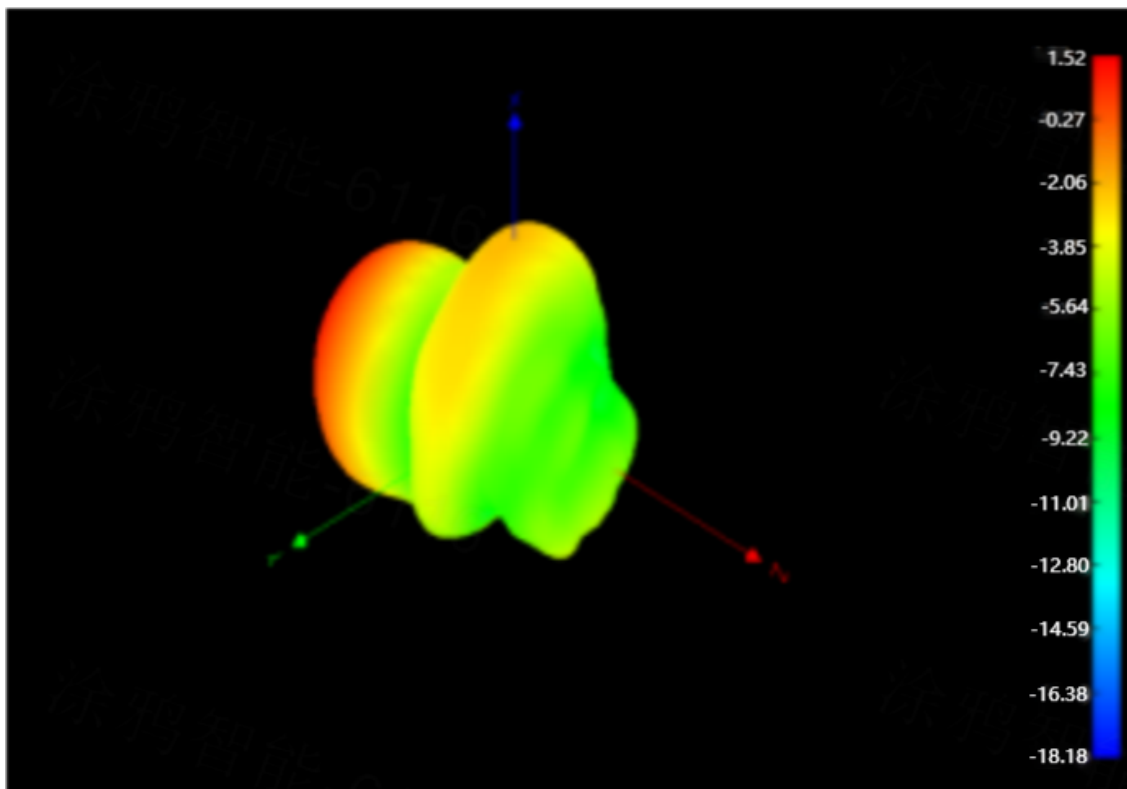
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-0.88	11.32
2410	-0.85	11.59
2420	-0.78	11.89
2430	-0.5	12.97
2440	0.09	15.35
2450	0.78	18.32
2460	1.26	20.09
2470	1.52	20.65
2480	1.49	20.61

## 2.2 2450MHz Radiation Pattern

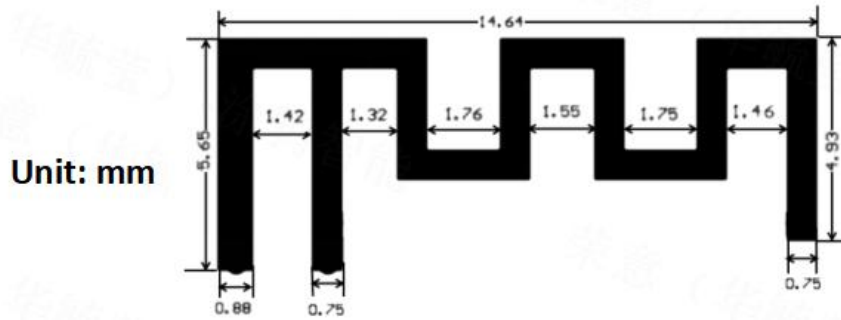
2400MHz 3D



2470MHz 3D



### 3. Antenna Dimensions



### 4. EUT Photo



## 5. Test Setup Photo

