

# Antenna Product Specification

Entry Name	LAPIS
model	AX7192A-WIFI-WTT; AX7192A-QT-WTT
Frequency Channel	WiFi 2.4G&5G&6G
Supplier Name	Welletronics Communication Technology Co., Ltd
address	1st Floor, 2nd Floor, 3rd Floor, No. 8, Tongfu Village Industrial Zone, Xinshi Community, Dalang Street, Longhua District
Test Lab	General Test Rayzone 2800
Test software	GTS Maxsign- Libra
Test equipment	Keysight E5071C, Calibration date: 2023/12/10-2024/12/09
Test Engineer	Ye Chengguo
ANT1	WIFI1 2.4G/5G/6G/BT , PIFA type antenna
ANT2	WIFI2 2.4G/5G/6G/BT, Cavity antenna
WCL Antenna	Coil and dimensions :8.3*2.6mm

**Test picture:**

## 1. Type of Antenna: PIFA &Cavity

**Antenna attachment type: Fixed/Internal mounted**

## 2. Efficiency and Gain

### ANT1- Efficiency and Gain

Freq (MHz)	Peak Gain(dBi)	Efficiency (dB)
2400~2483.5MHz	-2.3	-7.8
5150~5250MHz	-3	-6.4
5250~5350MHz	-3.1	-6.3
5470~5725MHz	-3.3	-6.7
5725~5850MHz	-3.2	-6.1
5850~5925MHz	-3.2	-6.2
5925~6425MHz	-3.5	-6.4
6425~6525MHz	-3.4	-7.3
6525~6875MHz	-3.5	-7.7
6875~7125MHz	-4.1	-8.1

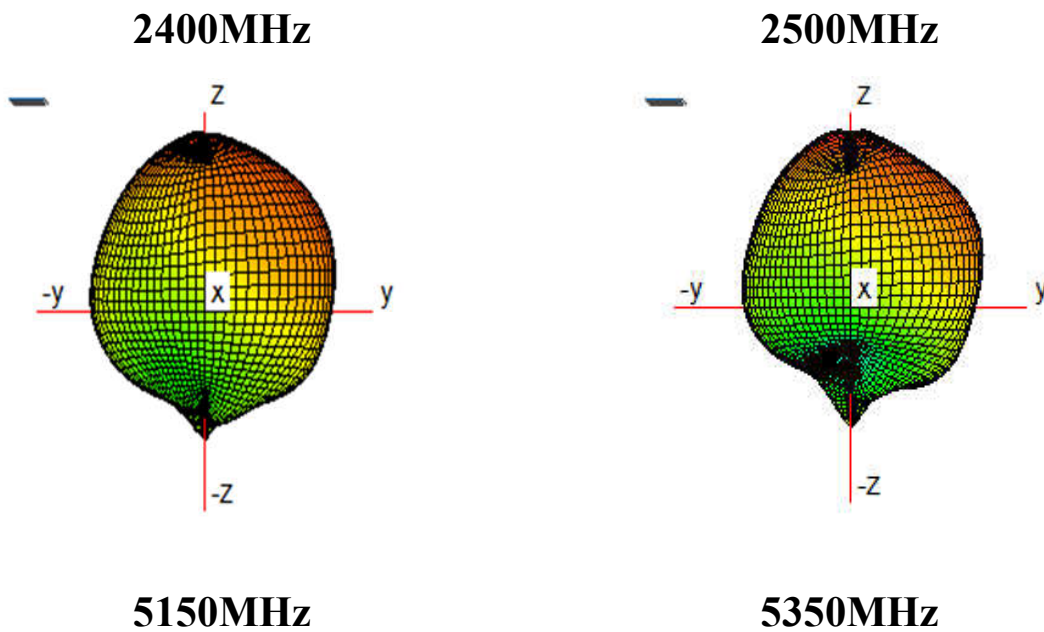
### ANT2- Efficiency and Gain

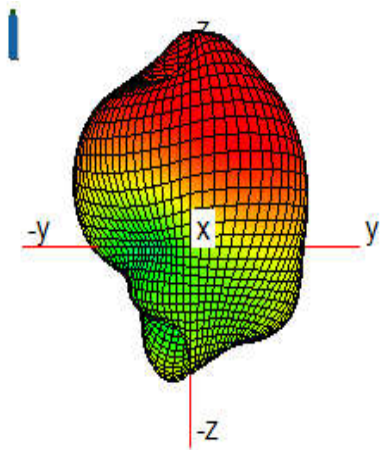
Freq (MHz)	Peak Gain(dBi)	Efficiency (dB)
2400~2483.5MHz	-3	-7.4
5150~5250MHz	-3.2	-7.6
5250~5350MHz	-3.3	-7
5470~5725MHz	-3.4	-7.3
5725~5850MHz	-3.5	-6.4
5850~5925MHz	-3.5	-7.2

5925~6425MHz	-3.5	-8.4
6425~6525MHz	-3.7	-8.2
6525~6875MHz	-4	-8.9
6875~7125MHz	-4.2	-9.2

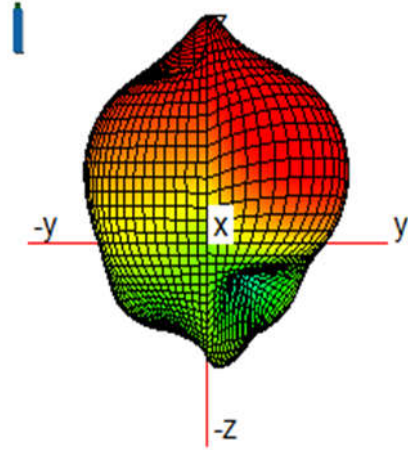
### 3. 3D Directional Pattern

#### ANT1-3D

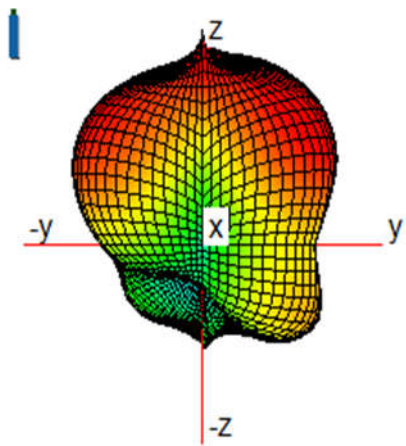




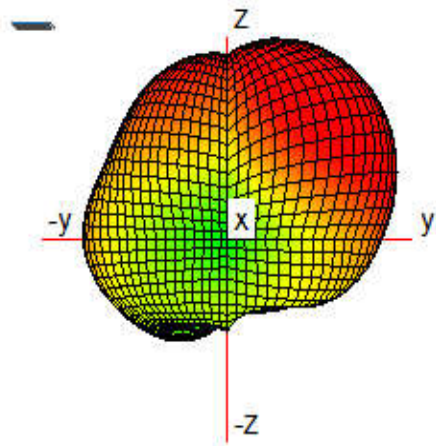
5550MHz



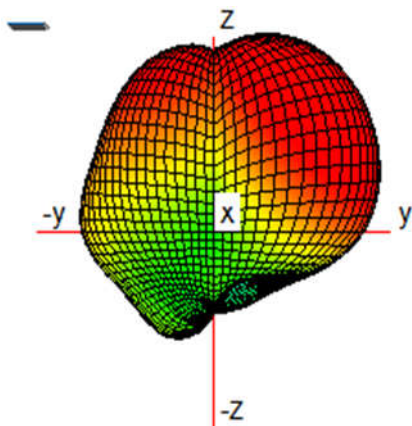
5850MHz



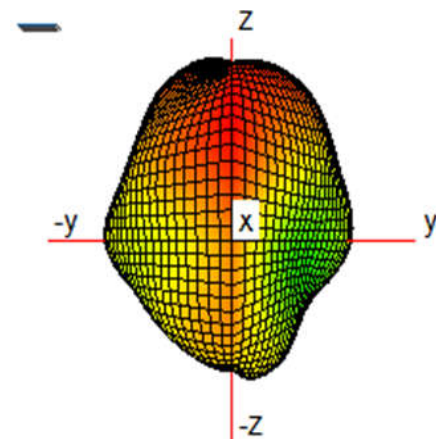
6150MHz



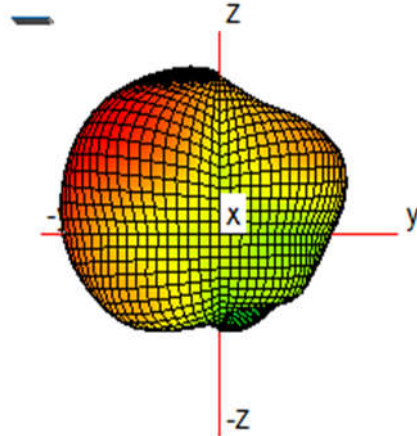
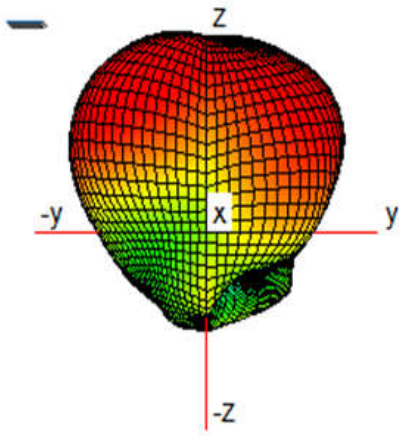
6450MHz



6750MHz

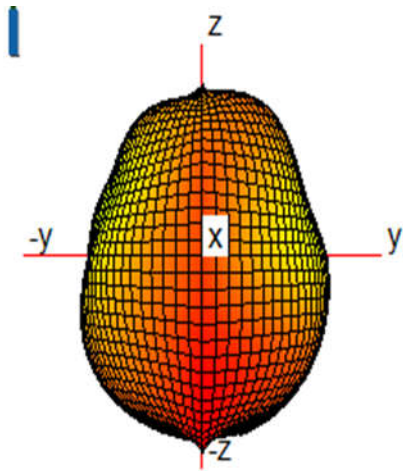


7150MHz

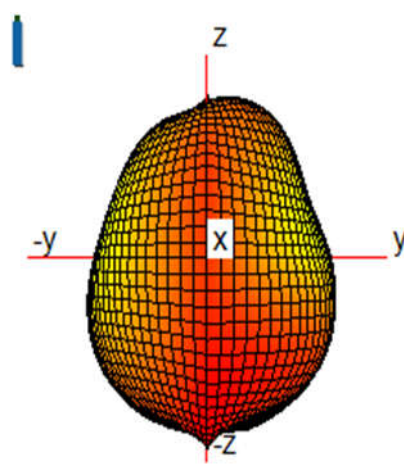


**ANT2-3D**

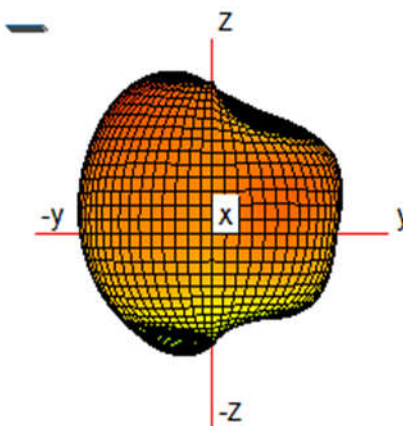
**2400MHz**



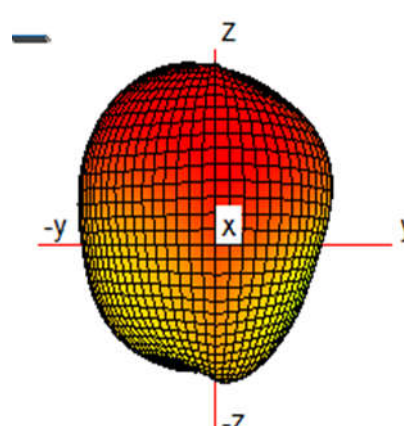
**2500MHz**



**5150MHz**

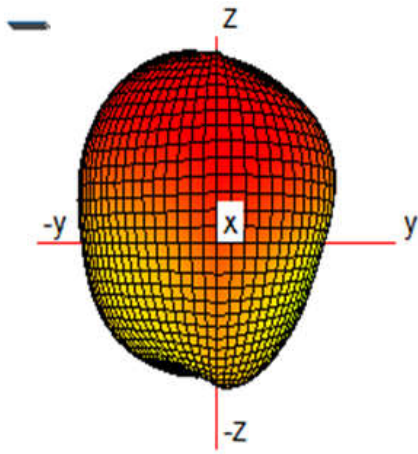


**5350MHz**

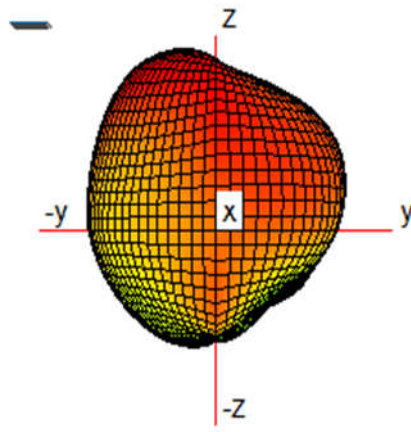


**5550MHz**

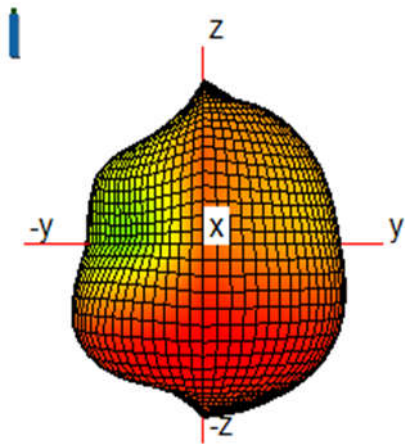
**5850MHz**



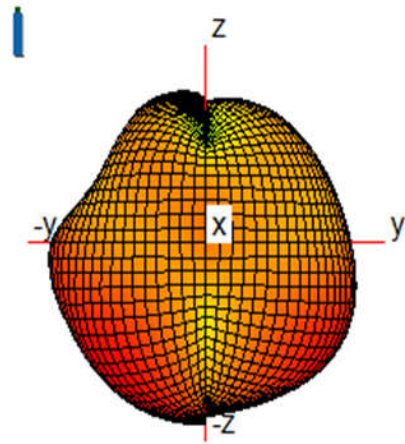
**6150MHz**



**6450MHz**



**6750MHz**



**7150MHz**

