

Antenna Product Specification

Entry Name	Kirby
model	AX7191A-ANT0-WTT;AX7191A-ANT1-WTT; AX7191A-ANT2-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	Zhangyuhu

1. Type of Antenna: PIFA

Antenna attachment type: Fixed/Internal mounted

2. Efficiency and Gain

ANT0- Efficiency and Gain

	Peak Gain (dBi)	Efficiency (dB)
2400~2483.5MHz	-3.3	-9.5
5150~5250MHz	-3.4	-7.4
5250~5350MHz	-3.5	-7.3
5470~5725MHz	-3.4	-7.5
5725~5850MHz	-3.4	-7.6
5850~5925MHz	-3.4	-8.1
5925~6425MHz	-3.6	-8.2
6425~6525MHz	-3.6	-8.1
6525~6875MHz	-3.7	-8.3
6875~7125MHz	-3.8	-8.2

ANT1- Efficiency and Gain

	Peak Gain (dBi)	Efficiency (dB)
2400~2483.5MHz	-2.3	-7.2

ANT2- Efficiency and Gain

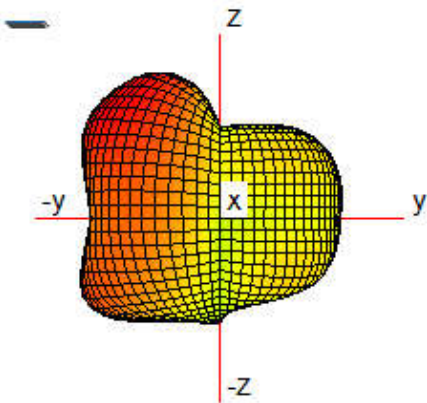
	Peak Gain (dBi)	Efficiency (dB)
5150~5250MHz	-3.3	-5.3
5250~5350MHz	-3.3	-5.2
5470~5725MHz	-3.4	-5.4
5725~5850MHz	-3.5	-5.2
5850~5925MHz	-3.4	-6.2

5925~6425MHz	-3.6	-5.2
6425~6525MHz	-3.4	-5.5
6525~6875MHz	-3.5	-5.6
6875~7125MHz	-3.4	-5.8

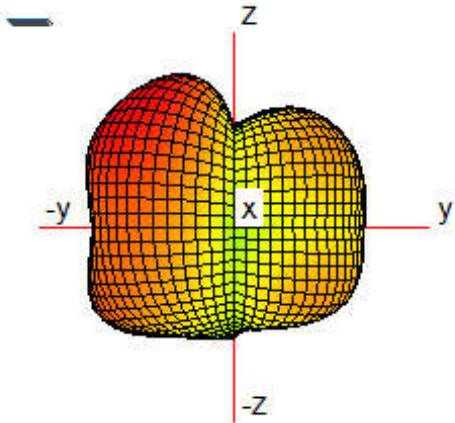
3. 3D Directional Pattern

ANT0_3D Directional Pattern

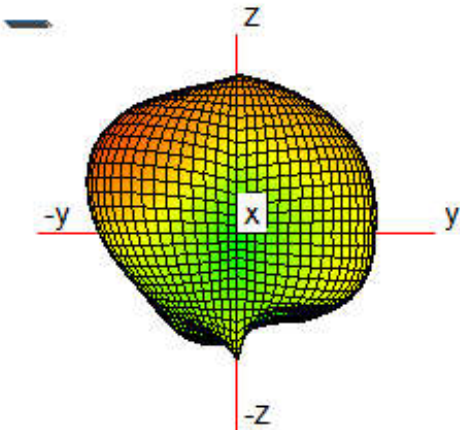
2400MHz



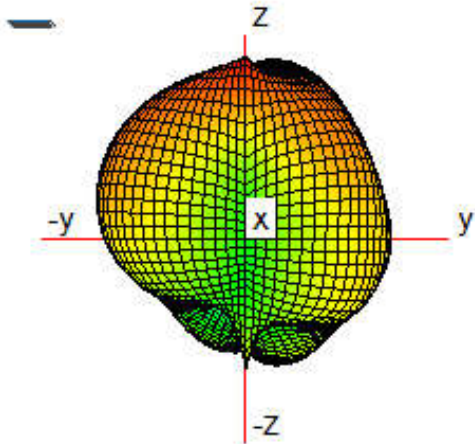
2500MHz



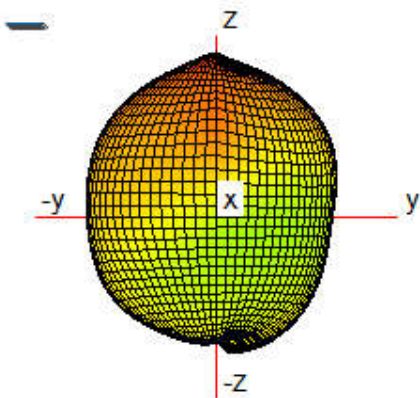
5150MHz



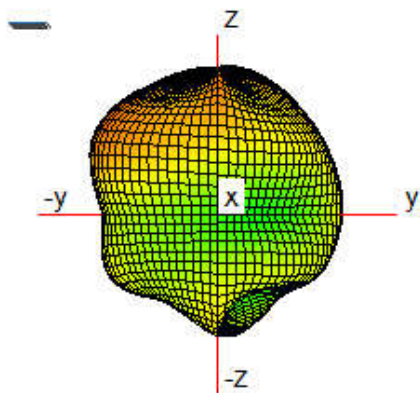
5350MHz



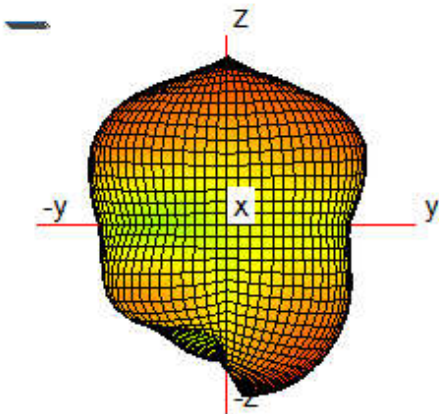
5550MHz



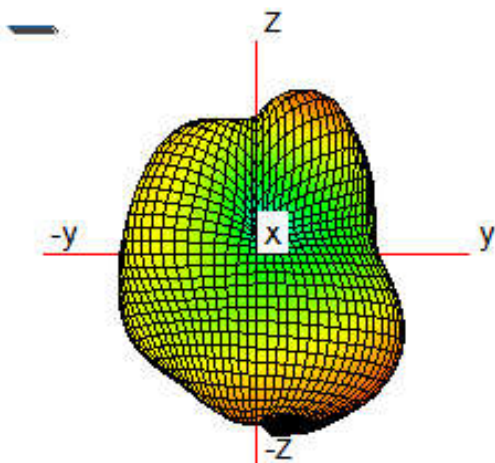
5850MHz



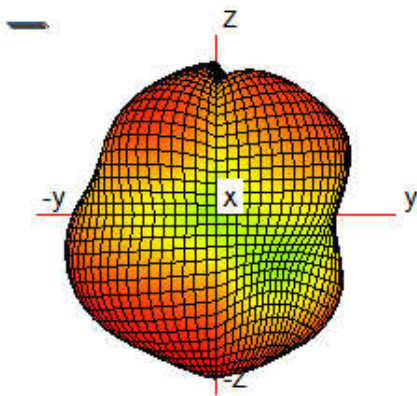
6150MHz



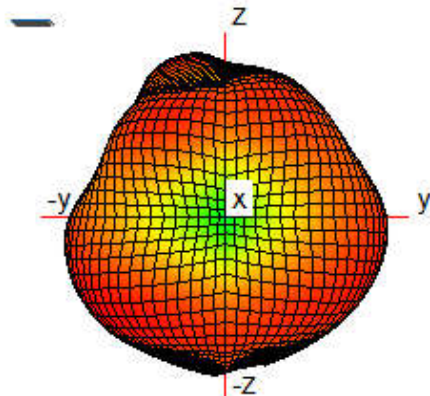
6450MHz



6750MHz

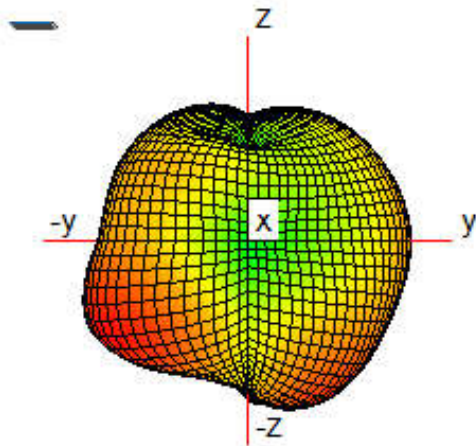


7150MHz

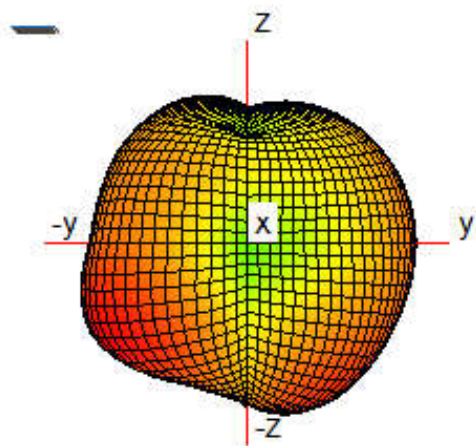


ANT1_3D Directional Pattern

2400MHz

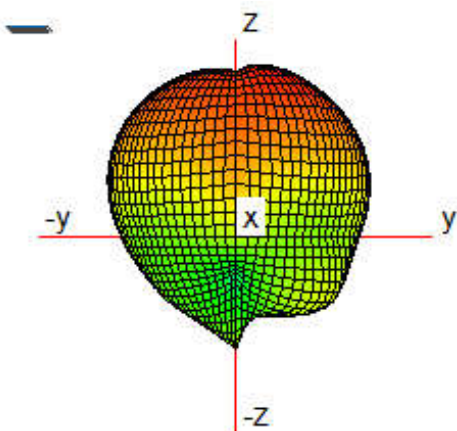


2500MHz

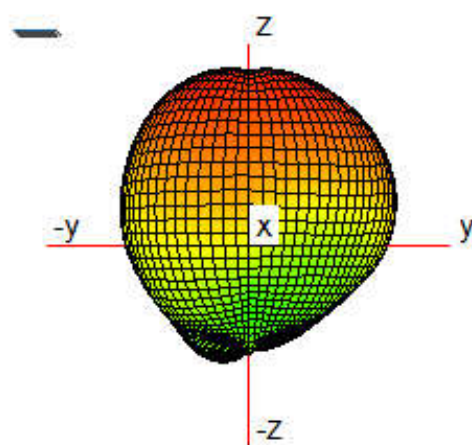


ANT2_3D Directional Pattern

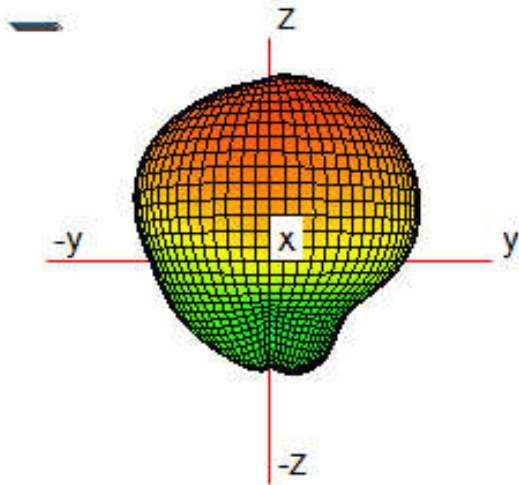
5150MHz



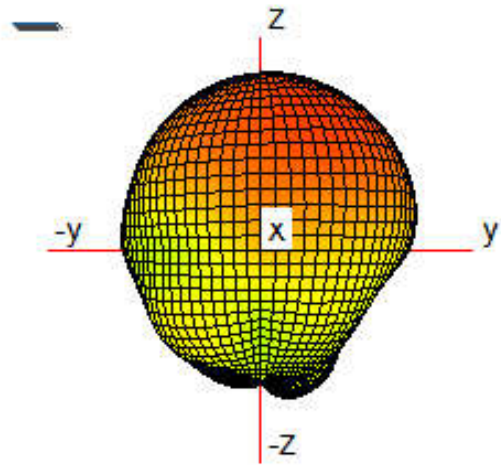
5350MHz



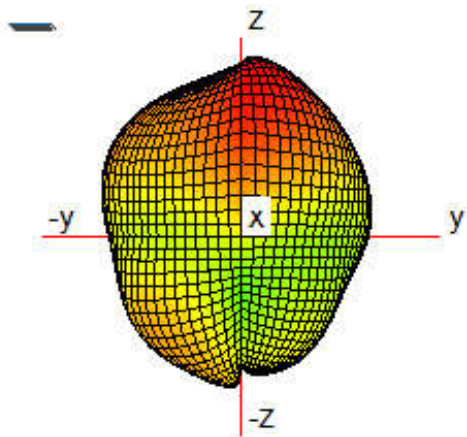
5550MHz



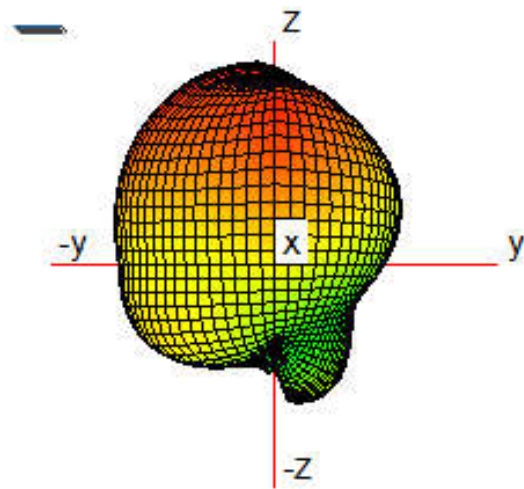
5850MHz



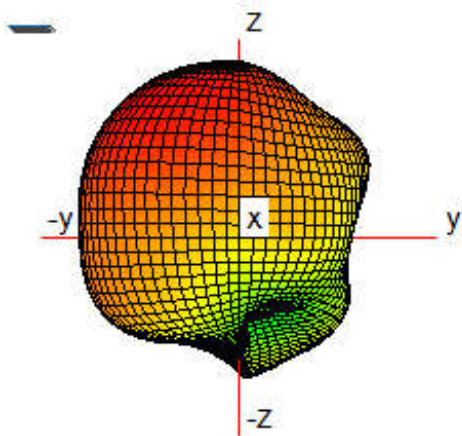
6150MHz



6450MHz



6750MHz



7150MHz

