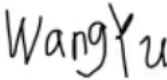


Antenna Product Specification

Entry Name	Titans
Model-WiFi	Titans-ANT0-SPD; Titans-ANT1-2.4G-SPD; Titans-ANT1-5G-SPD;
Frequency Channel	WiFi 2.4G&5G&6G
Supplier Name	Speed Communication Technology Co., Ltd
address	Building 2, Zhongke Zhineng, 99 Weixin Road, Suzhou Industrial Park, Jiangsu Province
Test Lab	General Test Rayzone 2800
Test software	GTS Maxsign- Libra
Test equipment	Keysight E5071C, Calibration date: 2024/5/10-2025/5/09
Test Engineer	Wangyu 
Model-WPT	WPT-1 WPT-2
Frequency Channel	QI:111~145kHz
Supplier Name	Deman Communication Technology Co., Ltd
address	No.58, Shenxue Road, Xinzhuang Industrial Park, Minhang District, Shanghai

1. Type of Antenna

Ant0 (BT/Wlan 2.4G/5G/6G): PIFA

Ant1(Wlan 2.4G/5G/6G): PIFA

WPT-1/2: Coil

2. Efficiency and Gain

ANT0- Efficiency and Gain

	Peak Gain (dBi)	Efficiency (dB)
2400~2483.5MHz	-0.5	-5.6
5150~5250MHz	-0.7	-5.9
5250~5350MHz	-0.1	-6.5
5470~5725MHz	-0.4	-6.7
5725~5850MHz	-0.4	-6.2
5850~5925MHz	-0.4	-6.3
5925~6425MHz	-0.8	-6.6
6425~6525MHz	-0.1	-6.1
6525~6875MHz	-0.1	-6.3
6875~7125MHz	-0.3	-7.7

ANT1-2.4G Efficiency and Gain

	Peak Gain (dBi)	Efficiency (dB)
2400~2483.5MHz	-0.8	-6.1

ANT1-5G- Efficiency and Gain

	Peak Gain (dBi)	Efficiency (dB)
5150~5250MHz	-1.7	-5.3

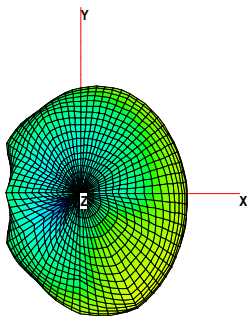
5250~5350MHz	-1.0	-5.0
5470~5725MHz	-1.3	-5.9
5725~5850MHz	-2.7	-7.1

5850~5925MHz	-1.8	-7.7
5925~6425MHz	-1.9	-7.0
6425~6525MHz	-1.7	-5.4
6525~6875MHz	-1.6	-6.1
6875~7125MHz	-1.9	-5.5

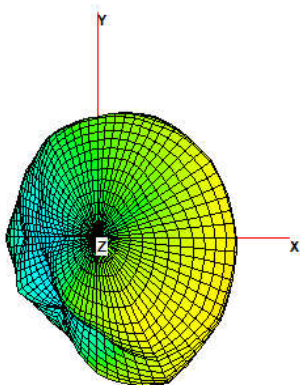
3. 3D Directional Pattern

ANT0_3D Directional Pattern

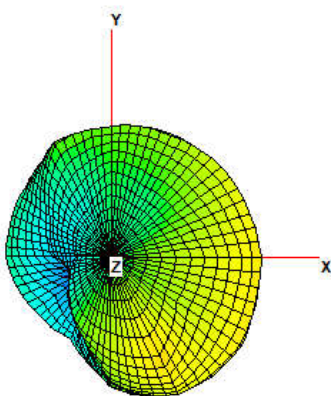
2442MHz



5150MHz

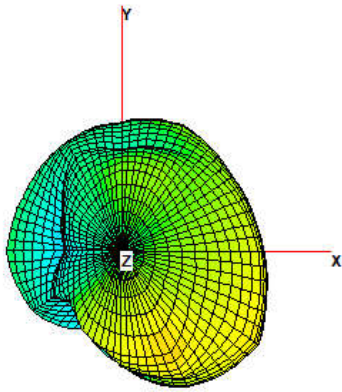


5350MHz

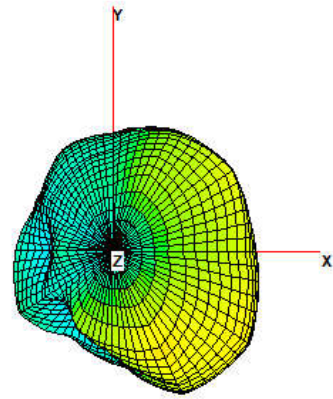


5550MHz

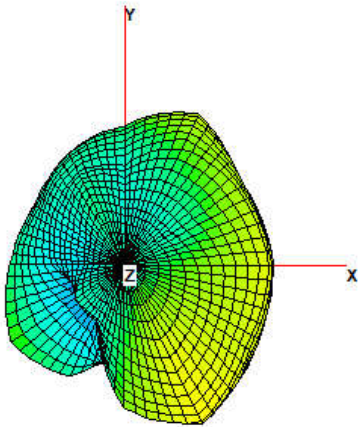
5850MHz



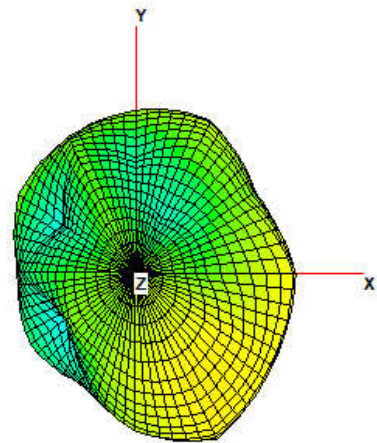
6150MHz



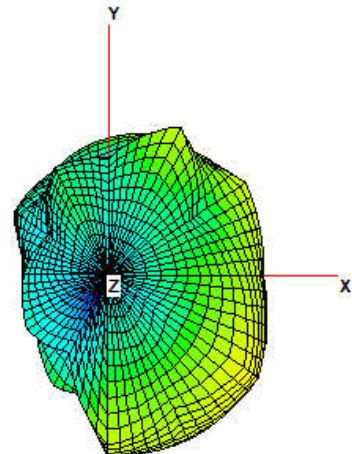
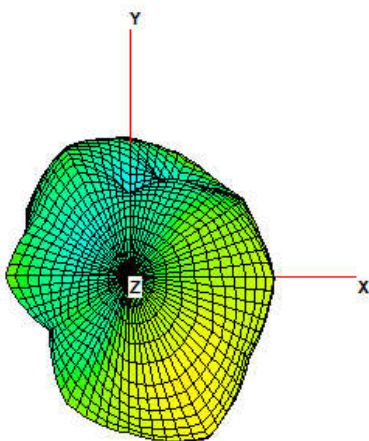
6450MHz



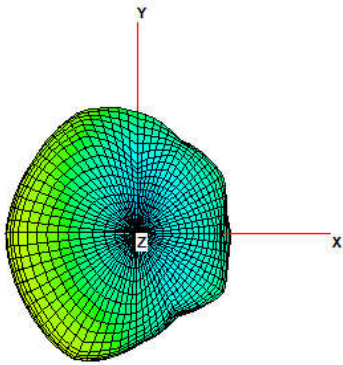
6750MHz



7150MHz

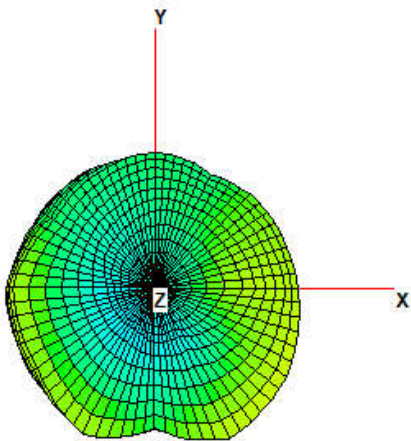


2442MHz

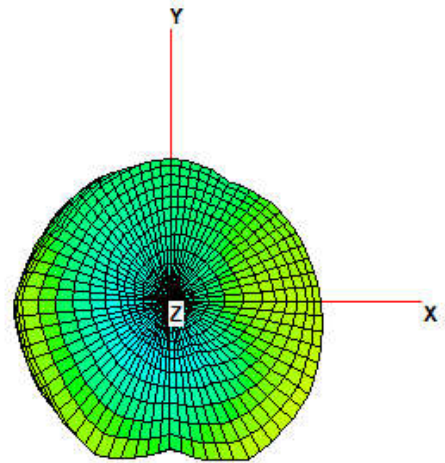


ANT1-5G_3D Directional Pattern

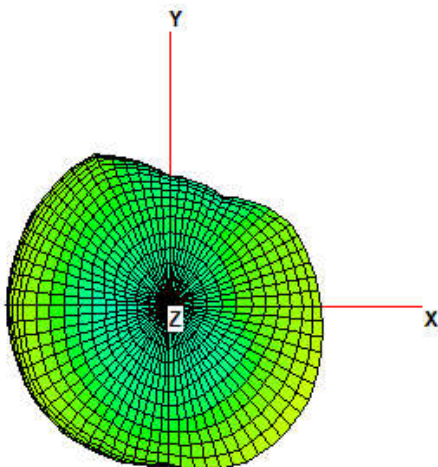
5150MHz



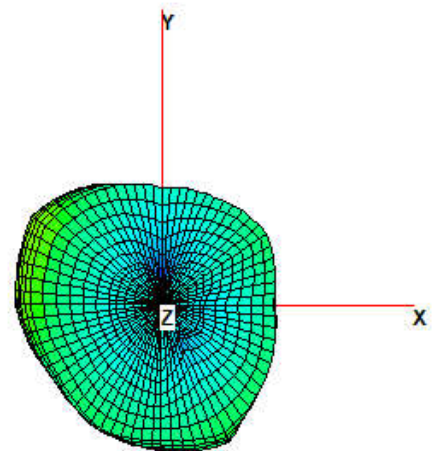
5350MHz



5550MHz

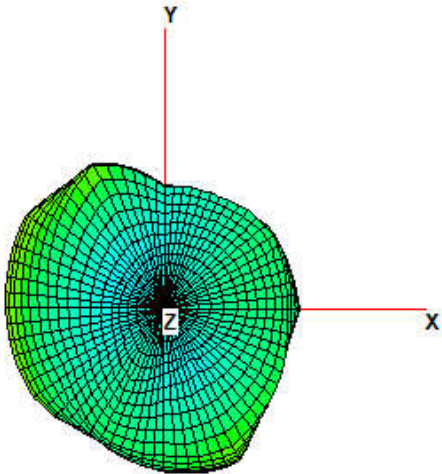


5850MHz

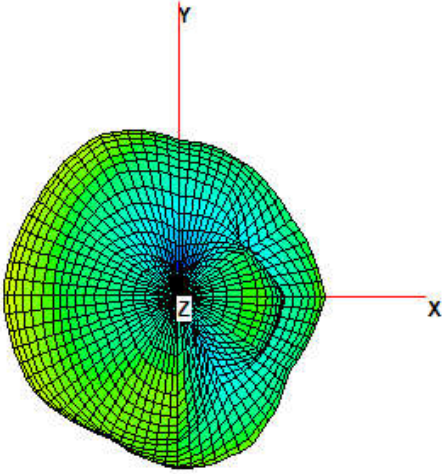


6150MHz

6450MHz



6750MHz



7150MHz

