

Antenna Product Specification

Entry Name	CT37
Frequency Channel	WIFI 2.4G/5G/6E BT
Supplier Name	Innowave Communication Technology Co., Ltd.
Manufacturer Address	2nd Floor, No.10, Shaling West Road, Xiakou Management Area, Dongcheng Street, Dongguan City

Model name:

WLAN&BT: CT37-WIFI-T31

NFC: CT37-NFC

2nd BLE: CT37-BLE

Type of Antenna:

WIFI&BT: IFA

NFC: LOOP Size: 50*30mm

2nd BLE: IFA

Antenna attachment type: Fixed/Internal mounted

Test chamber: GTS

Testing software: Ray zone 1800

Test instrument and calibration date: E5071C

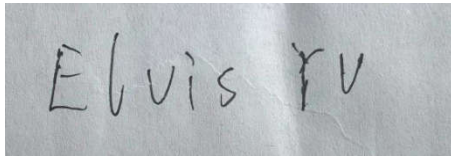
E5017C Calibration date: On October 10st, 2024

Due date: On April, 2025

Chamber Calibration date: On October, 2024

Due date: On October, 2025

Engineer's signature :



1. Gain

2nd Ble gain

Freq (MHz)	Peak Gain(dBi)
2400~2483.5MHz	-8

Antenna 6: WIFI&BT Gain

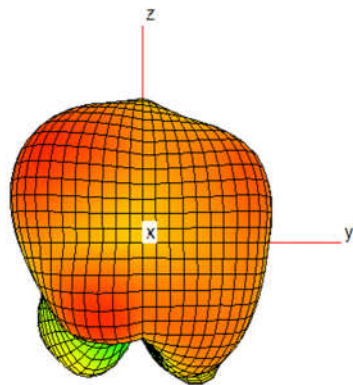
Freq (MHz)	Peak Gain(dBi)
2400~2483.5MHz	-0.2
5150~5250MHz	1
5250~5350MHz	0.6
5470~5725MHz	0.7
5725~5850MHz	1.4
5850~5925MHz	-1.1
5925~6425MHz	2.7
6425~6525MHz	0.4
6525~6875MHz	0.6

6875~7125MHz	-1
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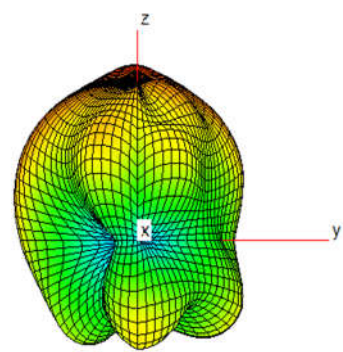
Antenna 7: WIFI Gain

Freq (MHz)	Peak Gain(dBi)
2400~2483.5MHz	1.5
5150~5250MHz	-0.5
5250~5350MHz	0.3
5470~5725MHz	0.6
5725~5850MHz	1.3
5850~5925MHz	0.5
5925~6425MHz	3
6425~6525MHz	3.1
6525~6875MHz	2
6875~7125MHz	2.8

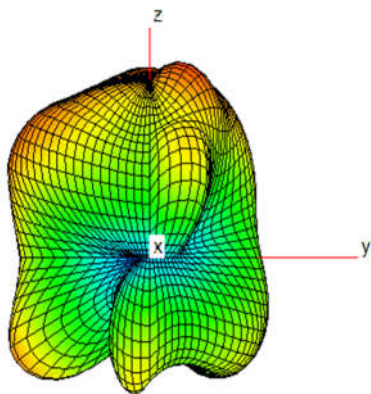
2. 3D Directional Pattern2500**Antenna 6: WIFI&BT**



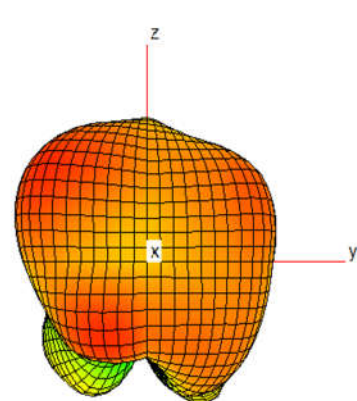
2450MHZ



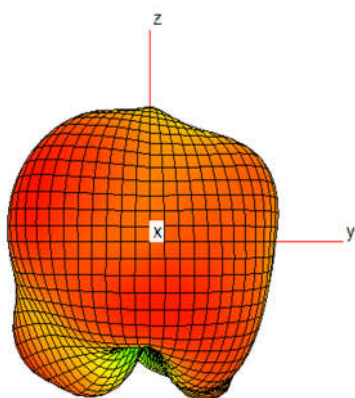
5250MHZ



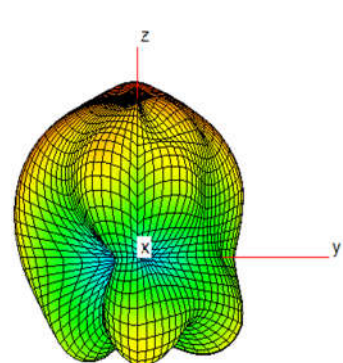
5350MHZ



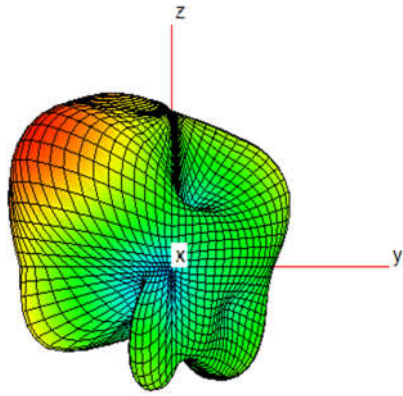
5700MHZ



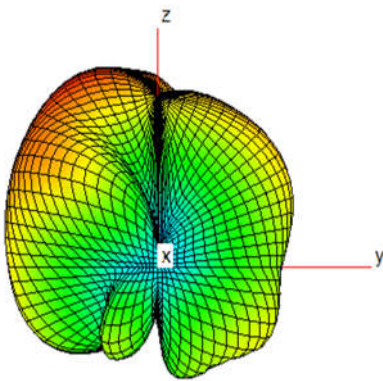
5850MHZ



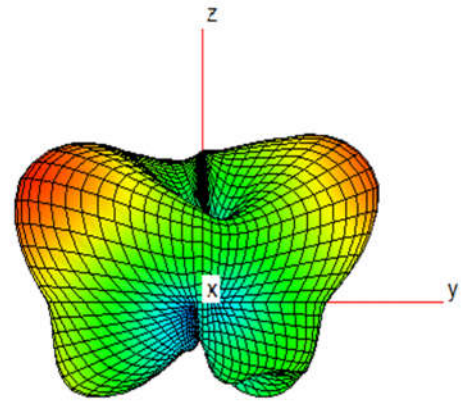
5900MHZ



6400MHZ

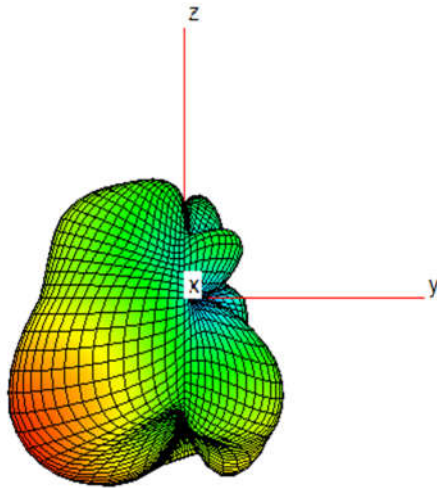


6800MHZ

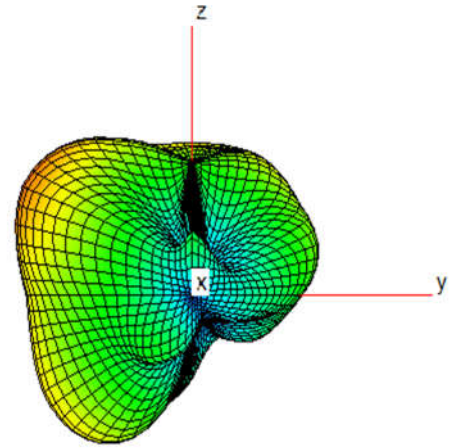


7100MHZ

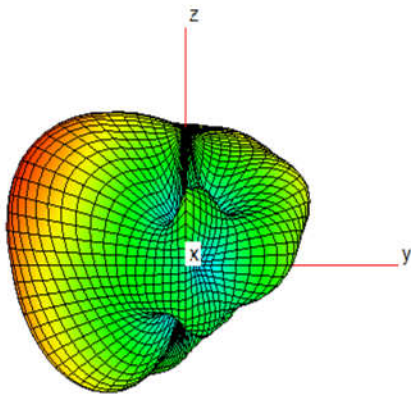
Antenna 7: WIFI



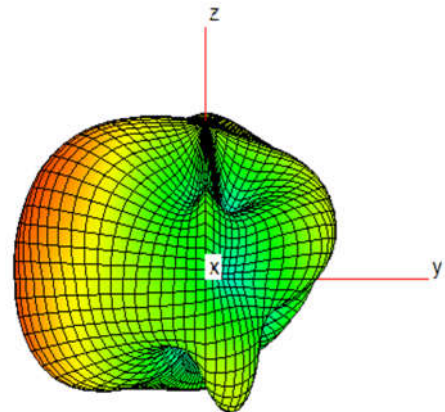
2450MHZ



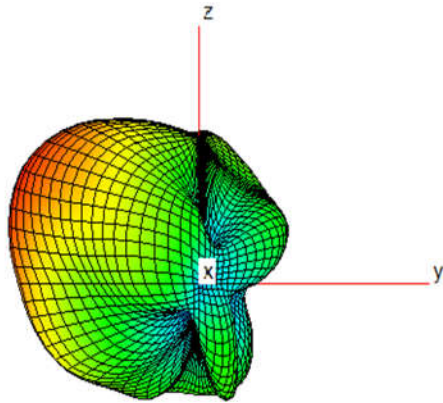
5250MHZ



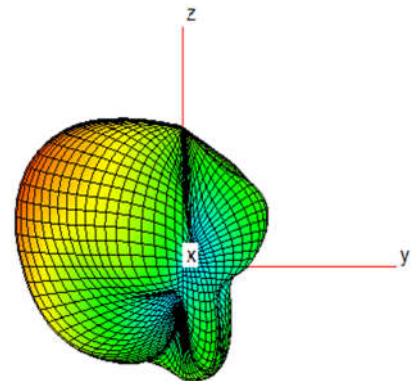
5350MHZ



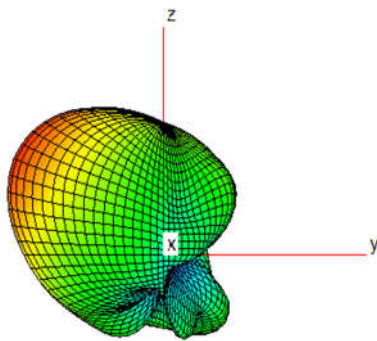
5700MHZ



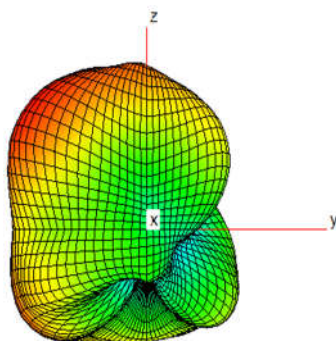
5850MHZ



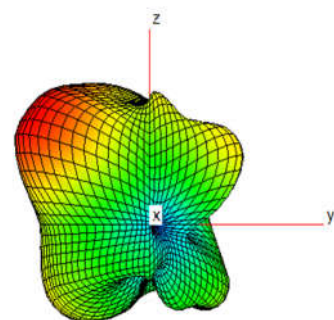
5900MHZ



6400MHZ



6800MHZ



7100MHZ