

Antenna Product Specification

Entry Name	ST7250B
Frequency	GPS/BT/Wi-Fi:1575/1175Mhz, 2400-2500Mhz 5150-7125Mhz
Supplier Name	Innowave Communication Technology Co., Ltd.
Manufacturer Address	2nd Floor, No.10, Shaling West Road, Xiakou Management Area, Dongcheng Street, Dongguan City

1. Type of Antenna:

GPS&WIFI&BT:LDS

NFC: FPC Size: 50*30mm

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

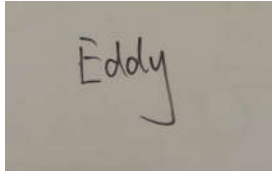
Due date: On April, 2025

Chamber Calibration date: On October, 2024

Due date: On October, 2025

Engineer's signature : Cumming Sun

Test engineer:



2. Gain

Antenna 8: WIFI Gain

Freq (MHz)	Peak Gain(dBi)	
	MAX	MIN
1575MHz	-2.0	/
2400~2483.5MHz	-1.0	/
5150~5250MHz	-0.5	/
5250~5350MHz	-0.5	/
5470~5725MHz	-0.5	/
5725~5850MHz	-0.5	/
5850~5925MHz	-1.0	/
5925~6425MHz	-1.0	-6
6425~6525MHz	-1.0	-6
6525~6875MHz	-1.0	-6
6875~7125MHz	-1.0	-6

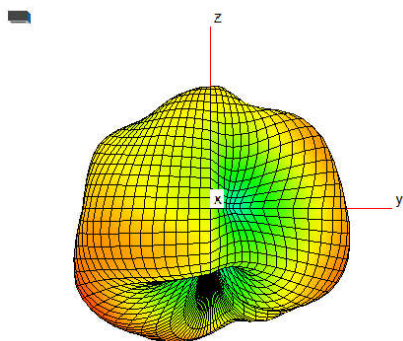
Antenna 9: WIFI Gain

Freq (MHz)	Peak Gain(dBi)	
	MAX	MIN
1175MHz	-8.0	/

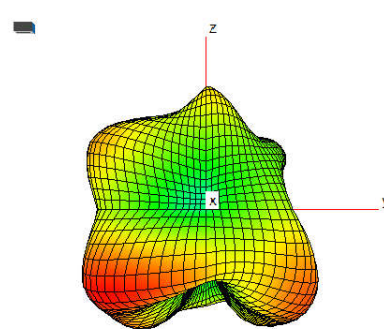
2400~2483.5MHz	-0.5	/
5150~5250MHz	-1.0	/
5250~5350MHz	-1.0	/
5470~5725MHz	-1.0	/
5725~5850MHz	-1.0	/
5850~5925MHz	-1.0	/
5925~6425MHz	-1.0	-6
6425~6525MHz	-1.0	-6
6525~6875MHz	-1.0	-6
6875~7125MHz	-1.0	-6

3. 3D Directional Pattern2500

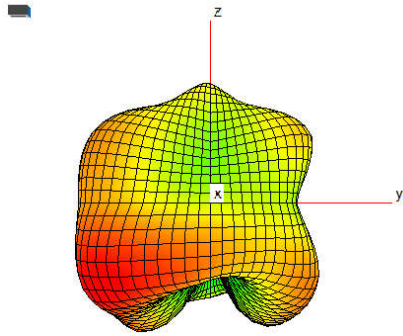
Antenna 8: WIFI



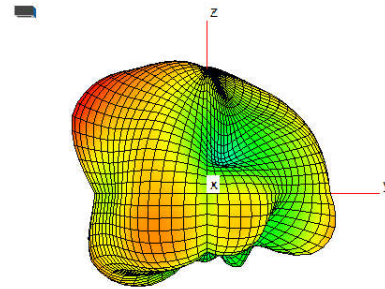
1575MHZ



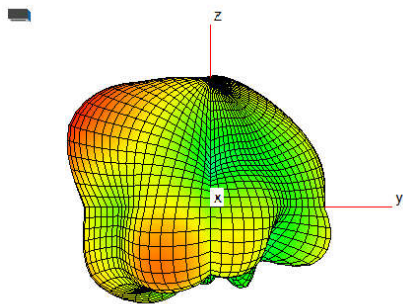
2400MHZ



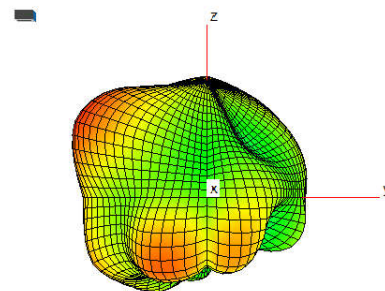
2483.5MHZ



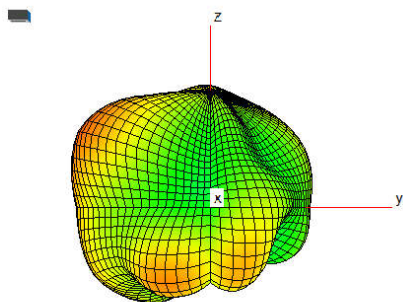
5150MHZ



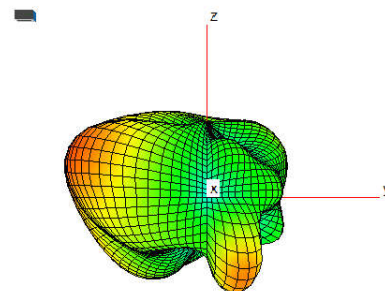
5250MHZ



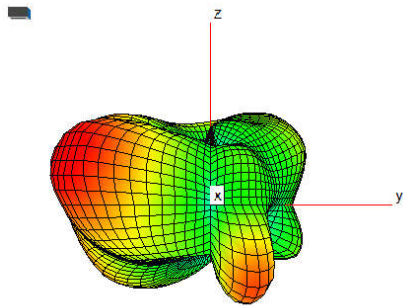
5350MHZ



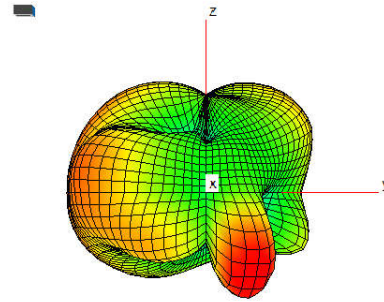
5475MHZ



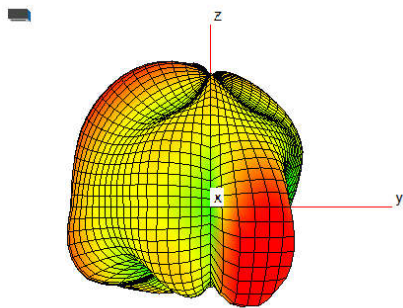
5725MHZ



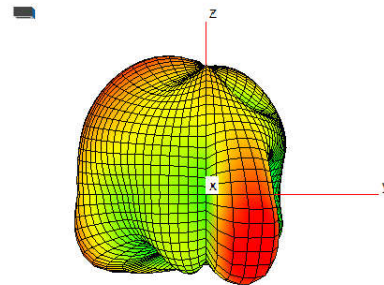
5850MHZ



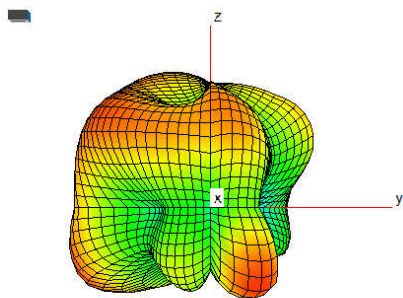
5925MHZ



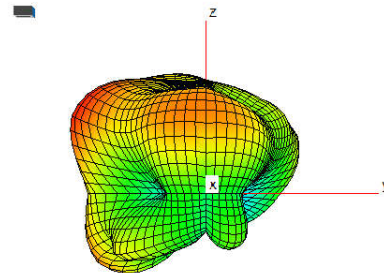
6425MHZ



6525MHZ

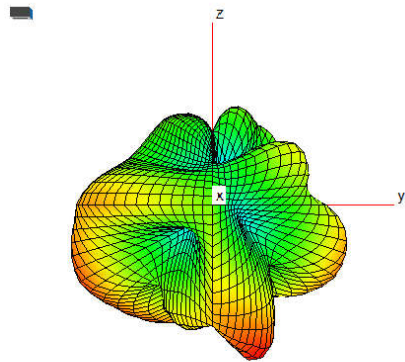


6875MHZ

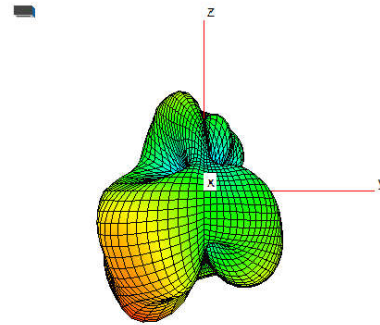


7150MHZ

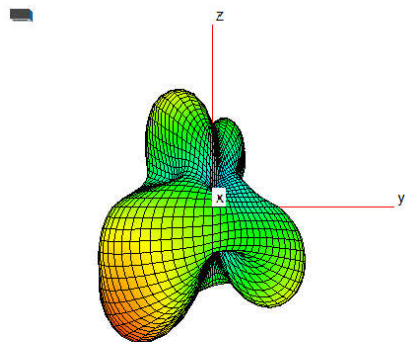
Antenna9: WIFI



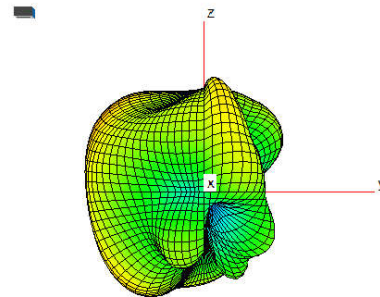
1175MHZ



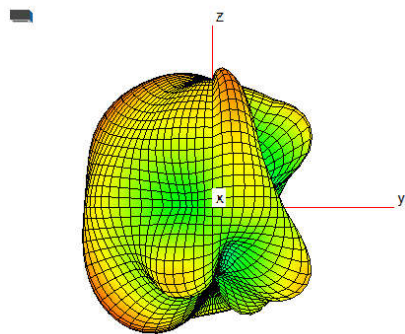
2400MHZ



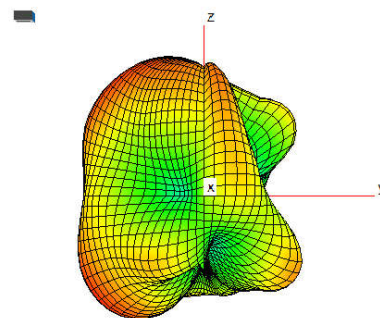
2483.5MHZ



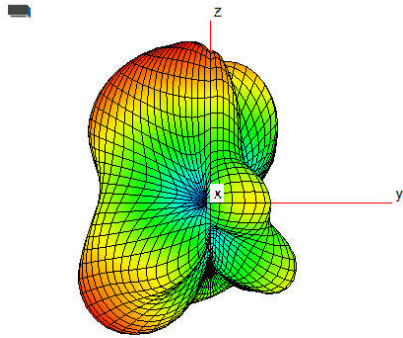
5150MHZ



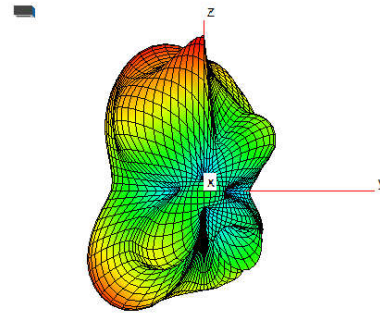
5250MHZ



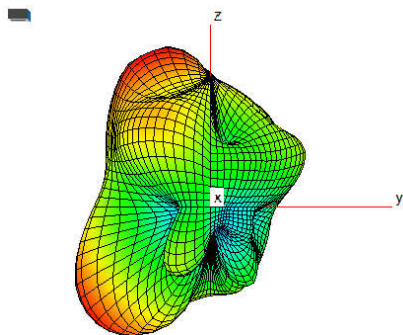
5350MHZ



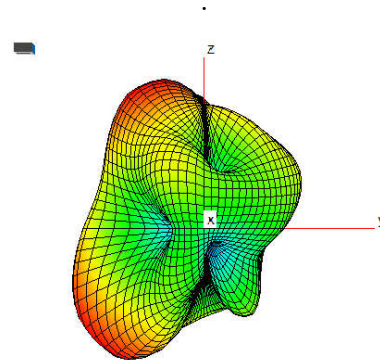
5475MHZ



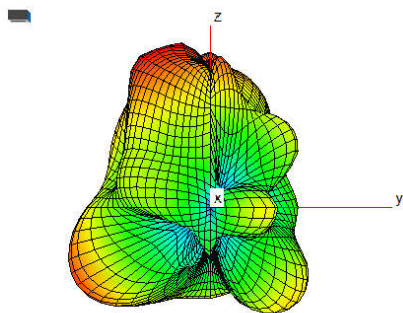
5725MHZ



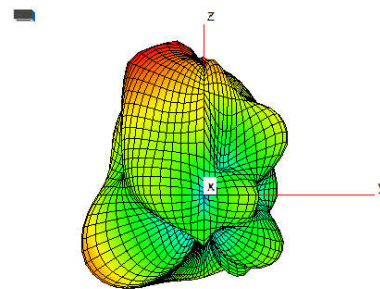
5850MHZ



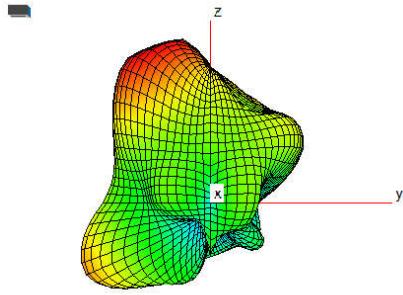
5925MHZ



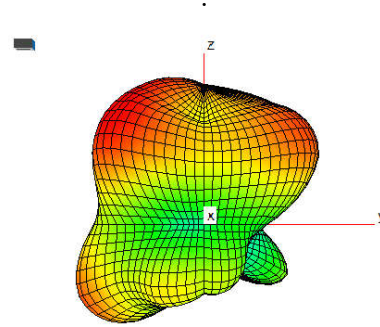
6425MHZ



6525MHZ



6875MHZ



7150MHZ