

Antenna Product Specification

Entry Name	ST8310A
Frequency Channel	Wi-Fi:2400-2500Mhz 5150-7125Mhz BT: 2400-2500Mhz
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:

WIFI&BT:LDS

NFC: FPC

Antenna attachment type: Fixed/Internal mounted

Test chamber: GTS

Testing software: Ray zone 1800

Test instrument and calibration date: E5071C

E5017C Calibration date: March 17th, 2026

Due date: March 21th, 2027

Chamber Calibration date: March 21th, 2026

Due date: March 21th, 2027

Engineer's signature :

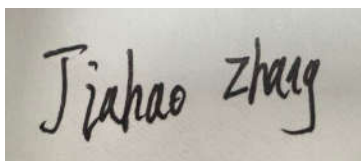


Photo of the antenna test:

2. Gain

Antenna 8: WIFI&BT Gain

Freq (MHz)	Peak Gain(dBi)	
	MAX	
2400~2483.5MHz	0.0	/
5150~5250MHz	0.5	/
5250~5350MHz	0.5	/
5470~5725MHz	0.5	/
5725~5850MHz	0.5	/
5850~5925MHz	0.5	/
5925~6425MHz	0.5	/
6425~6525MHz	0.5	/
6525~6875MHz	0.5	/
6875~7125MHz	0.5	/

Antenna 9: WIFI&BT Gain

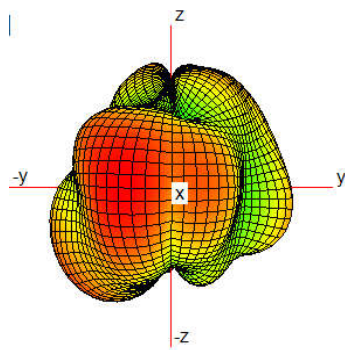
Freq (MHz)	Peak Gain(dBi)	
	MAX	
2400~2483.5MHz	0.5	/
5150~5250MHz	-0.5	/
5250~5350MHz	-0.5	/

5470~5725MHz	-0.5	/
5725~5850MHz	-0.5	/
5850~5925MHz	-0.5	/
5925~6425MHz	-0.5	/
6425~6525MHz	-0.5	/
6525~6875MHz	-0.5	/
6875~7125MHz	-0.5	/

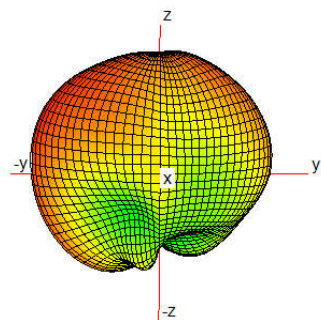
3. 3D Directional Pattern2500

Antenna 8: WIFI&BT

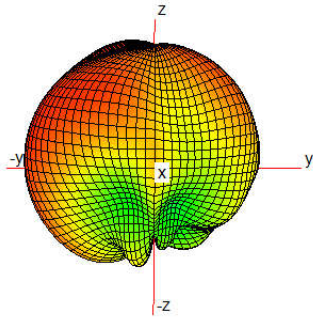
WIFI 2.4G (2450 MHz)



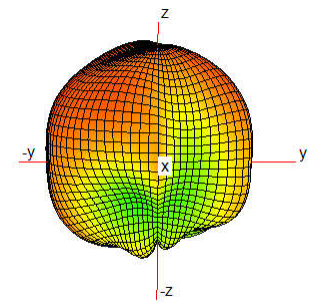
WIFI 5G (5200 MHz)



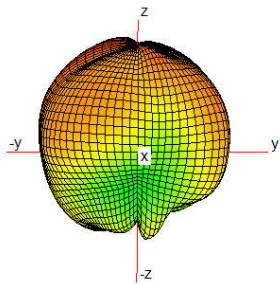
WIFI 5G (5400 MHz)



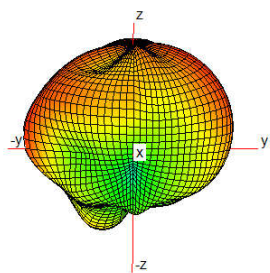
WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)

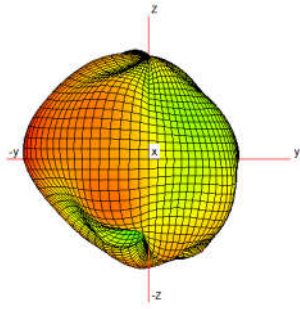


WIFI 6E (6200 MHz)

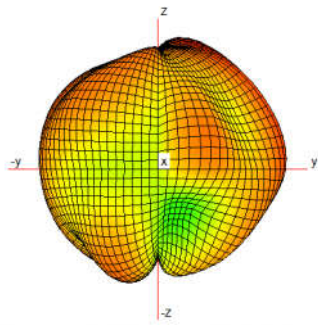


Antenna 9: WIFI

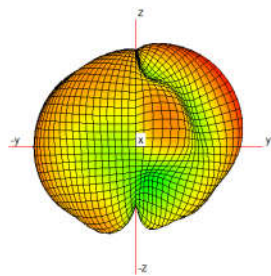
WIFI 2.4G (2450 MHz)



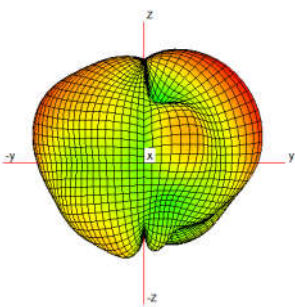
WIFI 5G (5200 MHz)



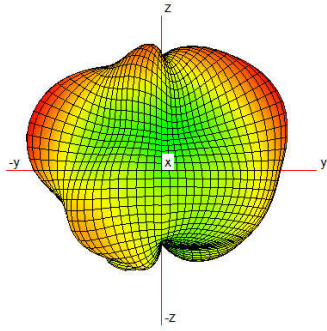
WIFI 5G (5400 MHz)



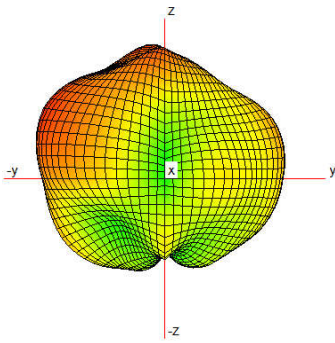
WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)



WIFI 6E (6200 MHz)



4. NFC size

$83.55 \pm 0.2\text{mm} * 65.00 \pm 0.2\text{mm} * 0.65 \pm 0.5\text{mm}$