



**深圳市博格斯通信技术有限公司**  
shenzhen bogesi communication technology co.,ltd

# Product Specification

Client: Shenzhen Geniatech INC., LTD

Part Number: \_\_\_\_\_

Description: External WiFi Antenna

Vendor P/N: BGS-001F (RA version)

Manufacture: Shenzhen Bogesi communcatioon technology co., ltd

Date: MAY 27th,2021

| Supplier Chop | Vendor Chop |
|---------------|-------------|
|               |             |



## Scope:

This solution for Geniatech External WiFi Antenna only

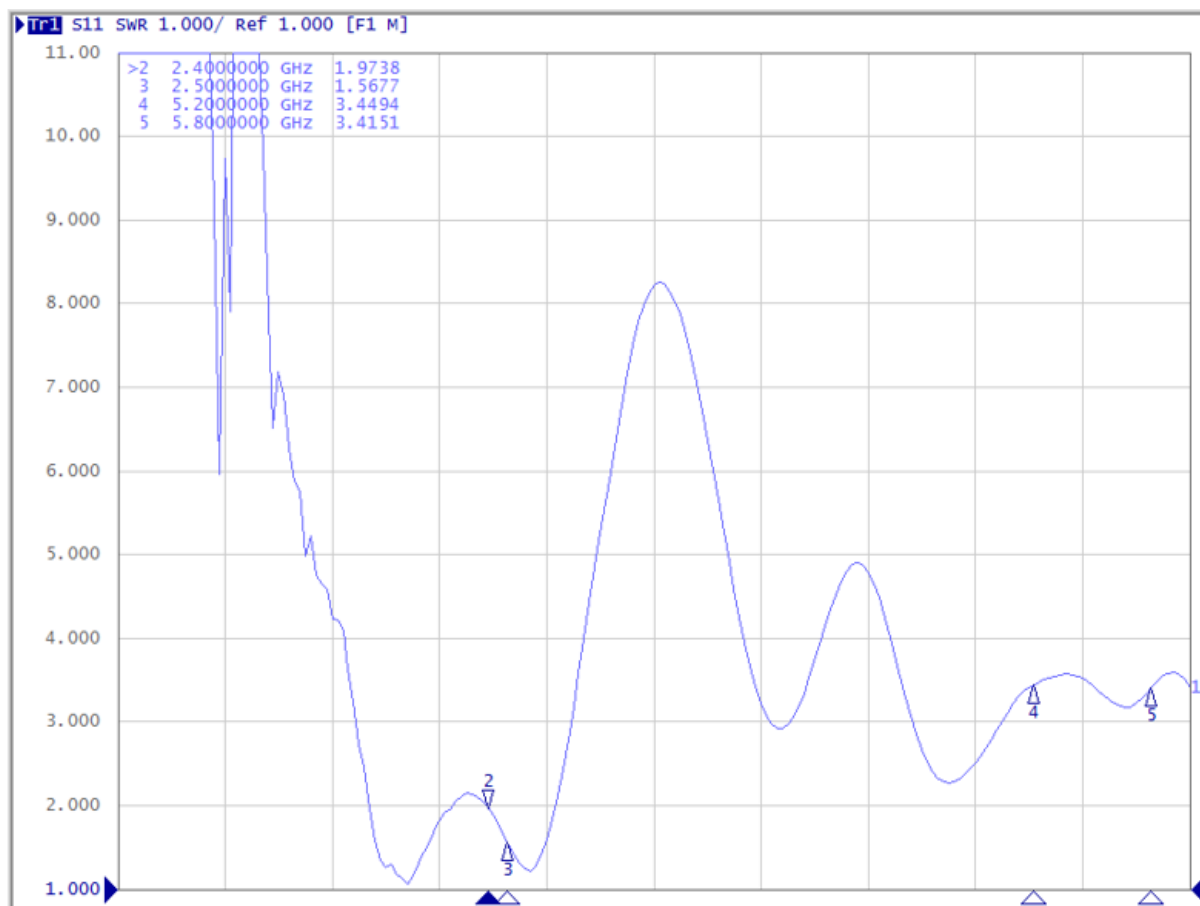
## Electrical specification

|                   |                    |                         |                    |
|-------------------|--------------------|-------------------------|--------------------|
| Frequency         | 2.4/5.8G           | Material                | Composite material |
| Input impedance   | 50Ω                | Operating temperature   | -40℃~+65℃          |
| wave ratio        | See below          | Temperature of storage  | +19℃~+23℃          |
| Gain              | >0dBi              | Connector specification | RP-SMA-J           |
| Polarization mode | Cable Polarization |                         |                    |

## Test conditions and methods:

| Test Enviroment and machine             | Test method                                                                 | Test result |
|-----------------------------------------|-----------------------------------------------------------------------------|-------------|
| Aglient E5071B Network Analysis Machine | The wifi antenna connected with Analysis machine to test antenna wave ratio | Below Data  |

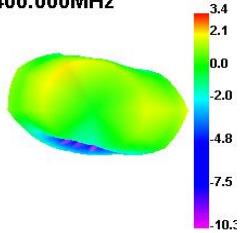
## Test Data:



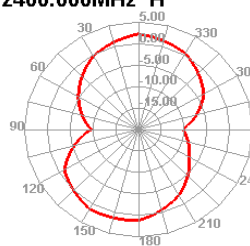
| 2400M-2500M   |              |               |
|---------------|--------------|---------------|
| Freq<br>(MHz) | Effi<br>(%%) | Gain<br>(dBi) |
| 2400          | 80.76        | 3.45          |
| 2410          | 85.84        | 3.78          |
| 2420          | 81.13        | 3.81          |
| 2430          | 83.86        | 4.12          |
| 2440          | 83.46        | 3.96          |
| 2450          | 84.27        | 4.14          |
| 2460          | 78.44        | 3.92          |
| 2470          | 82.48        | 4.12          |
| 2480          | 78.56        | 3.91          |
| 2490          | 83.22        | 4.16          |
| 2500          | 80.21        | 4.1           |

2400/2450/2500MHz

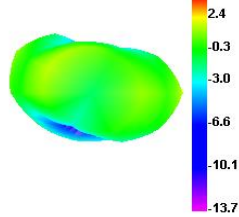
2400.000MHz



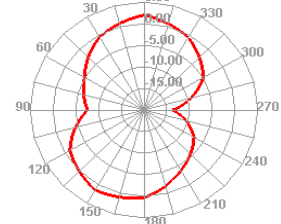
2400.000MHz H



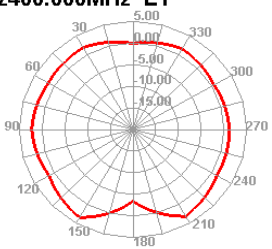
2450.000MHz



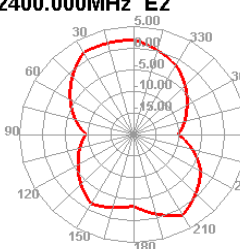
2450.000MHz H



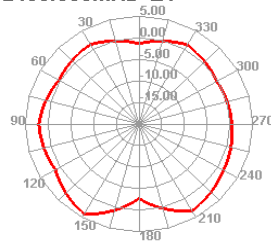
2400.000MHz E1



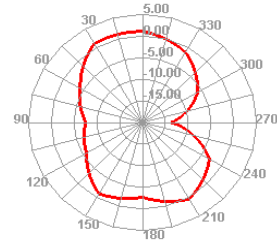
2400.000MHz E2



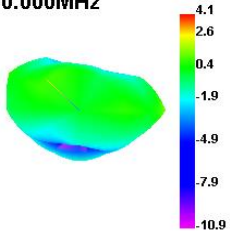
2450.000MHz E1



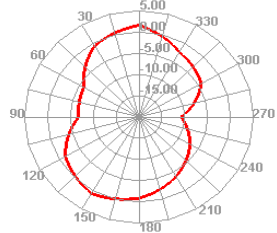
2450.000MHz E2



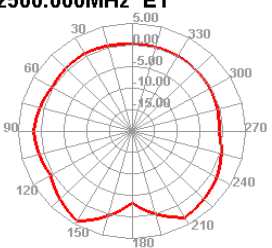
2500.000MHz



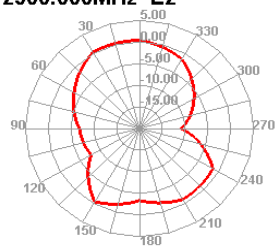
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





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**Sample Picture:**





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## Packing

Carton

Front



Side



Inner packing

