

# Antenna report

|                      |                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|
| Entry Name           | RS38,RS38WO                                                                                                          |
| Frequency Channel    | Wi-Fi:2400-2500Mhz 5150-7125Mhz                                                                                      |
| Supplier Name        | Speed Communication Technology Co., Ltd.                                                                             |
| Manufacturer Address | No. 138 Huize Avenue, Dongjiang High tech Industrial Park, Zhongkai High tech Zone, Huizhou City, Guangdong Province |

## 1. Type of Antenna:

**WIFI:LDS**

**Antenna attachment type: Fixed/Internal mounted**

**Test chamber: ETS**

**Testing software: Emquest**

**Test instrument and calibration date: E5071C**

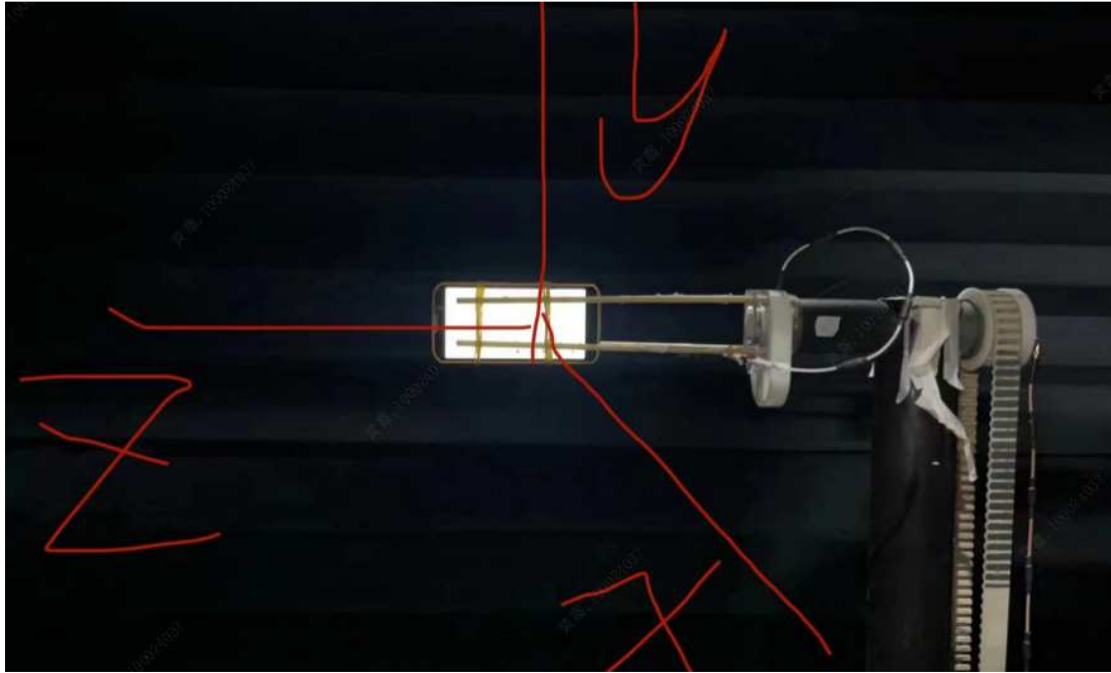
**E5017C Calibration date: On April 1st, 2024**

**Due date: On April 1st, 2025**

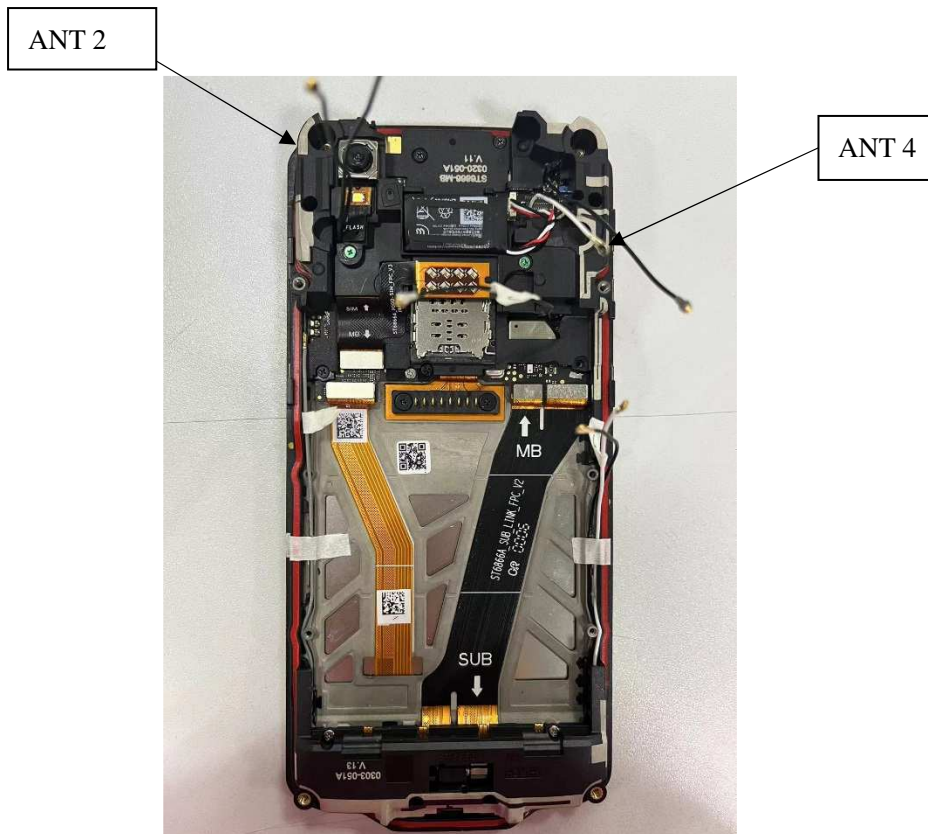
**Engineer's signature :**

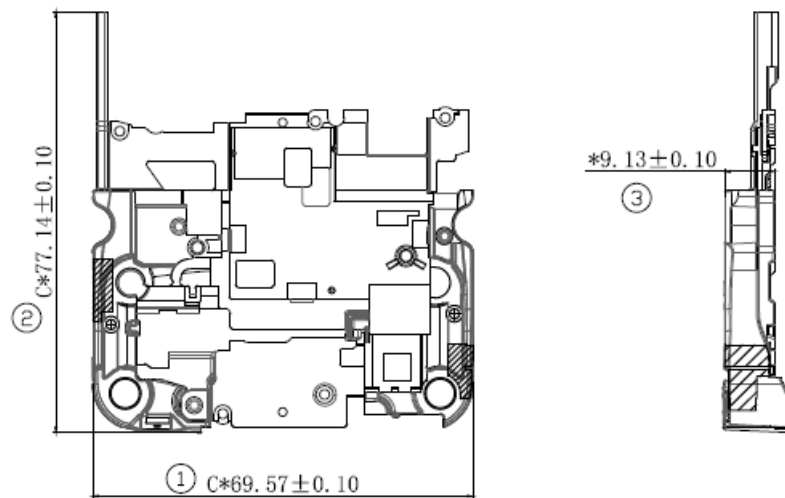


**Photo of the antenna test:**



## 2. Antenna Area





### 3. Gain

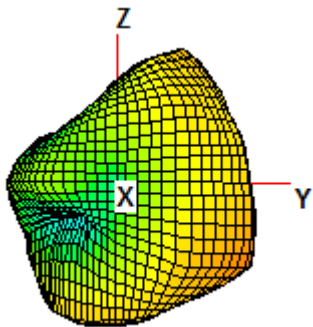
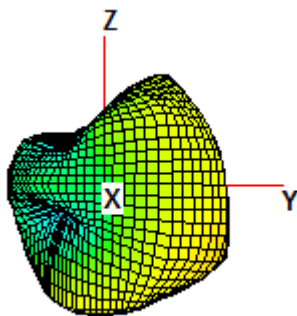
#### WIFI 2 Gain

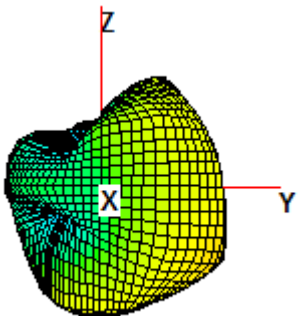
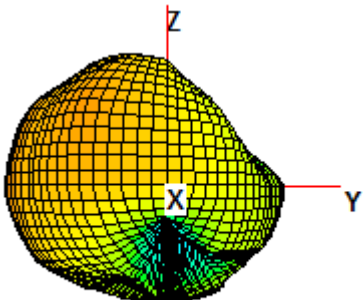
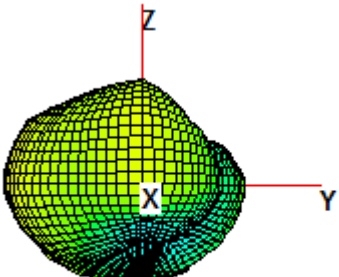
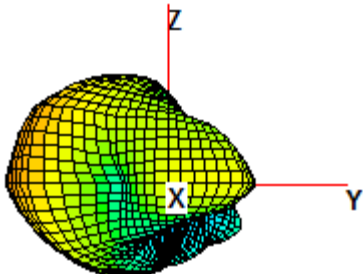
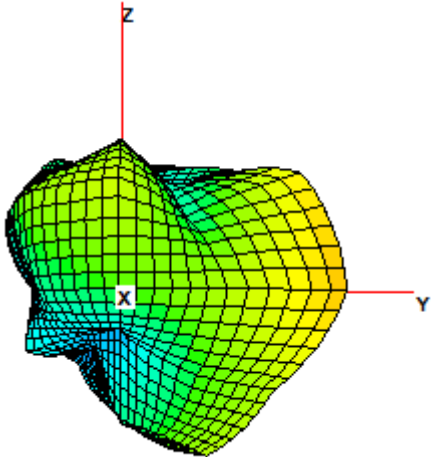
| Freq (MHz)     | Peak Gain(dBi) |
|----------------|----------------|
| 2400~2483.5MHz | 1              |
| 5150~5250MHz   | 0.5            |
| 5250~5350MHz   | 0.5            |
| 5470~5725MHz   | 0.5            |
| 5725~5850MHz   | 0.5            |
| 5955~7125MHz   | -1             |

**WIFI 4 Gain**

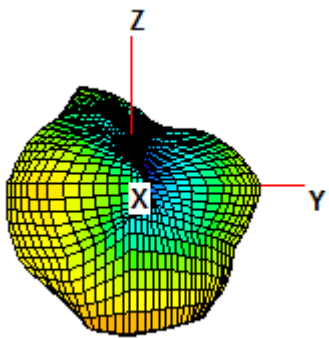
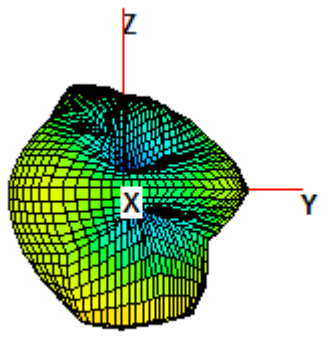
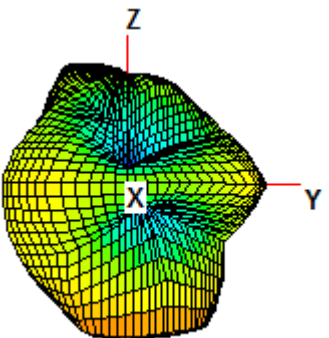
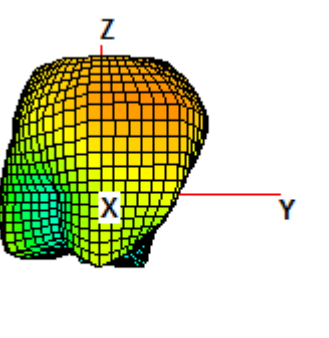
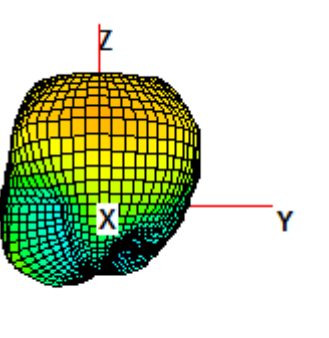
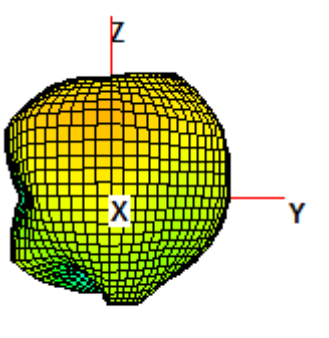
| Freq (MHz)     | Peak Gain(dBi) |
|----------------|----------------|
| 2400~2483.5MHz | 1              |
| 5150~5250MHz   | 0.5            |
| 5250~5350MHz   | 0.5            |
| 5470~5725MHz   | 0.5            |
| 5725~5850MHz   | 0.5            |
| 5995~7125MHz   | -0.8           |

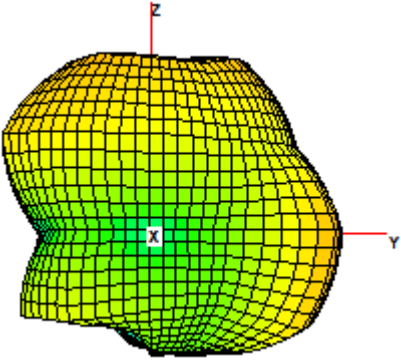
**4. 3D Directional Pattern****ANT 2**

| 2400MHZ                                                                             | 2480MHZ                                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
| 2500MHZ                                                                             | 5150MHZ                                                                              |

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |   |
| 5350MHZ                                                                             | 5850MHZ                                                                             |
|   |  |
| 6500MHZ                                                                             |                                                                                     |
|  |                                                                                     |

ANT 4

| 2400MHZ                                                                             | 2480MHZ                                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| 2500MHZ                                                                             | 5150MHZ                                                                              |
|  |  |
| 5350MHZ                                                                             | 5850MHZ                                                                              |
|  |  |

| 6500MHZ                                                                           |  |
|-----------------------------------------------------------------------------------|--|
|  |  |