



# 天线规格

## Antenna Specification

Manufacturer Name: reMarkable AS

### Electrical Properties

|              |                                            |
|--------------|--------------------------------------------|
| Frequency    | 2.4-2.5GHz<br>5.15-5.85GHz                 |
| Impedance    | 50 Ohm Nominal                             |
| V.S.W.R      | 2.0 Max@2.4-2.5GHz<br>2.5 Max@5.15-5.85GHz |
| Gain         | 2.3dBi@2.4-2.5GHz<br>2.6dBi@5.15-5.85GHz   |
| Radiation    | Omni-directional                           |
| Polarization | Linear                                     |

### Physical Properties

|                         |              |
|-------------------------|--------------|
| Connector               | 3 IPEX       |
| Cable Type              | O.D.0.81mm   |
| Cable Length            | 48.5mm       |
| Cable Color             | Black        |
| Operating Temp.         | -40 ~ +85 °C |
| Storage Temp / Humidity | 25±5 / <70%  |

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### Passive Test For WiFi Antenna (2.4G)

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 55.5        | -2.6         | 2.3           |
| 2410          | 55.1        | -2.6         | 2.2           |
| 2420          | 54.0        | -2.7         | 2.1           |
| 2430          | 55.5        | -2.6         | 2.2           |
| 2440          | 55.1        | -2.6         | 2.1           |
| 2450          | 57.7        | -2.4         | 2.2           |
| 2460          | 55.2        | -2.6         | 2.1           |
| 2470          | 56.1        | -2.5         | 2.2           |
| 2480          | 52.7        | -2.8         | 2.0           |
| 2490          | 52.7        | -2.8         | 1.9           |
| 2500          | 49.6        | -3.1         | 1.6           |



### Passive Test For WiFi Antenna(5.8G)

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 5150          | 41.1        | -3.9         | 1.6           |
| 5200          | 43.8        | -3.6         | 2.1           |
| 5250          | 45.5        | -3.4         | 1.7           |
| 5300          | 47.6        | -3.2         | 2.3           |
| 5350          | 48.6        | -3.1         | 1.8           |
| 5400          | 51.9        | -2.9         | 2.4           |
| 5450          | 51.9        | -2.9         | 2.1           |
| 5500          | 56.0        | -2.5         | 2.1           |
| 5550          | 52.2        | -2.8         | 2.4           |
| 5600          | 50.7        | -3.0         | 1.4           |
| 5650          | 45.9        | -3.4         | 2.2           |
| 5700          | 45.5        | -3.4         | 1.9           |
| 5750          | 44.0        | -3.6         | 2.2           |
| 5800          | 44.1        | -3.6         | 2.6           |
| 5850          | 43.4        | -3.6         | 2.6           |



### Active Test For WIFI Antenna(61038)

| Band                  | Channel | Data Rate | TRP  | Data Rate | TIS   |
|-----------------------|---------|-----------|------|-----------|-------|
| WIFI 2.4G<br>802.11b  | 1       | 11Mbps    | 13.0 | 11Mbps    | -86.3 |
|                       | 6       |           | 15.4 |           | -85.1 |
|                       | 13      |           | 14.8 |           | -86.3 |
| WIFI 2.4G<br>802.11g  | 1       | 54Mbps    | 13.7 | 54Mbps    | -73.5 |
|                       | 6       |           | 13.7 |           | -74.3 |
|                       | 13      |           | 14.5 |           | -73.8 |
| WIFI 2.4G<br>802.11gn | 1       | MCS7      | 13.1 | MCS7      | -72.0 |
|                       | 6       |           | 13.0 |           | -71.9 |
|                       | 13      |           | 13.8 |           | -72.3 |
| WIFI 5G<br>802.11an   | 36      | MCS7      | 11.8 | MCS7      | -68.1 |
|                       | 100     |           | 13.9 |           | -68.9 |
|                       | 165     |           |      |           |       |
| WIFI 5G<br>802.11a    | 36      | 54Mbps    | 11.1 | 54Mbps    | -68.3 |
|                       | 100     |           | 13.0 |           | -71.4 |
|                       | 165     |           |      |           |       |

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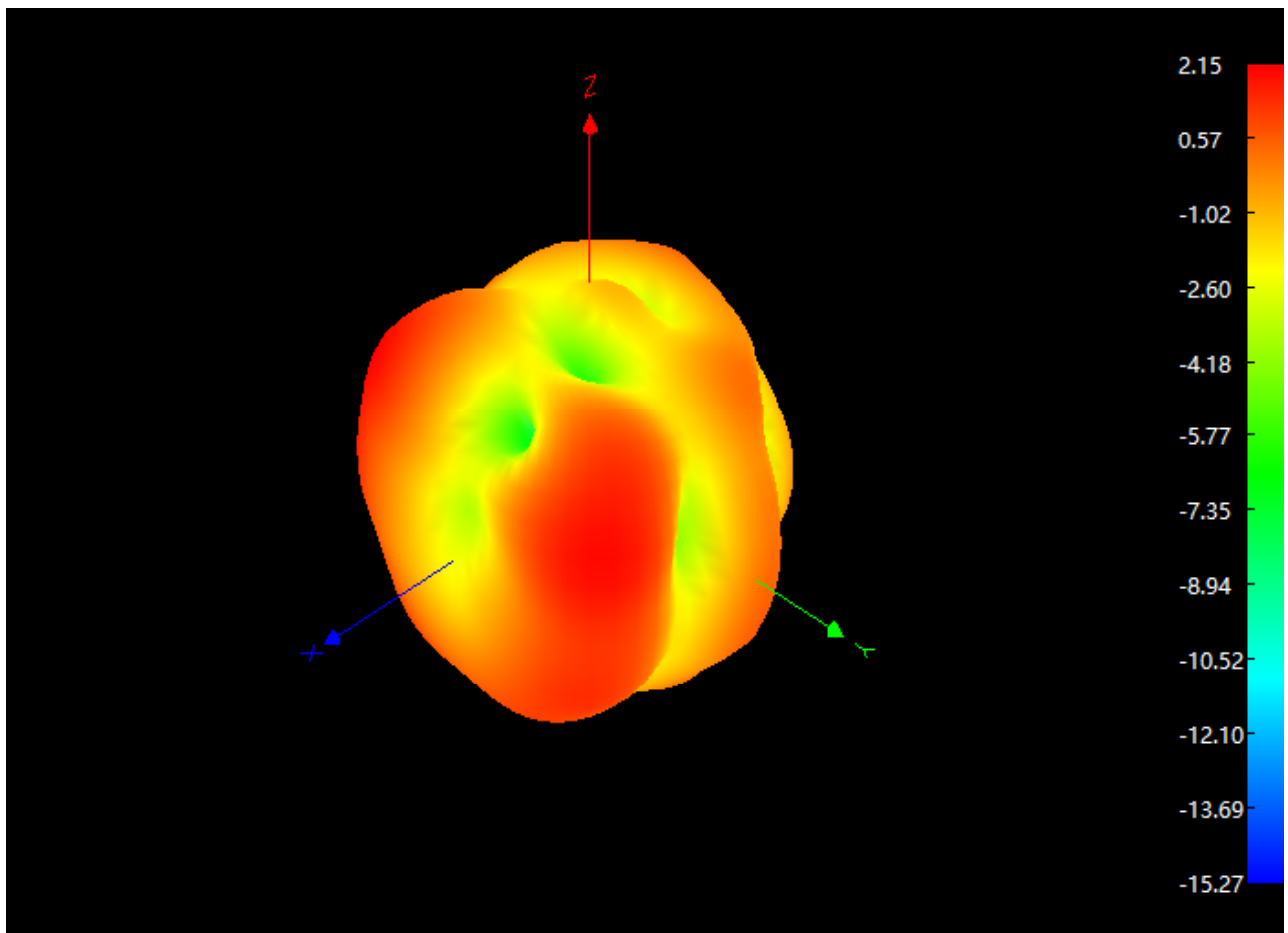


| Active Test For WIFI Antenna(60772) |         |           |      |           |       |
|-------------------------------------|---------|-----------|------|-----------|-------|
| Band                                | Channel | Data Rate | TRP  | Data Rate | TIS   |
| WIFI 2.4G<br>802.11b                | 1       | 11Mbps    | 12.9 | 11Mbps    | -85.1 |
|                                     | 6       |           | 14.8 |           | -84.8 |
|                                     | 13      |           | 12.8 |           | -83.5 |
| WIFI 2.4G<br>802.11g                | 1       | 54Mbps    | 12.9 | 54Mbps    | -73.2 |
|                                     | 6       |           | 12.8 |           | -72.5 |
|                                     | 13      |           | 12.2 |           | -72.0 |
| WIFI 2.4G<br>802.11gn               | 1       | MCS7      | 12.6 | MCS7      | -71.4 |
|                                     | 6       |           | 12.4 |           | -70.7 |
|                                     | 13      |           | 12.7 |           | -69.6 |
| WIFI 5G<br>802.11an                 | 36      | MCS7      | 12.3 | MCS7      | -68.5 |
|                                     | 100     |           | 13.7 |           | -70.8 |
|                                     | 165     |           |      |           |       |
| WIFI 5G<br>802.11a                  | 36      | 54Mbps    | 11.3 | 54Mbps    | -69.6 |
|                                     | 100     |           | 13.8 |           | -70.9 |
|                                     | 165     |           |      |           |       |

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## Radiation Pattern For WIFI Antenna(2450MHz)





## Radiation Pattern For WIFI Antenna(5500MHz)

