

# SenseCAP Indicator Antenna



## PRODUCTS

| Part No.       | Weight | Dimensions (L x W) | Cables Dimensions | Connector | Color      |
|----------------|--------|--------------------|-------------------|-----------|------------|
| M01-0400690R0A | 1g     | 74.86*36.1mm       | Φ 1.13*80mm       | IPX1      | Black+Grey |

## SPECIFICATIONS

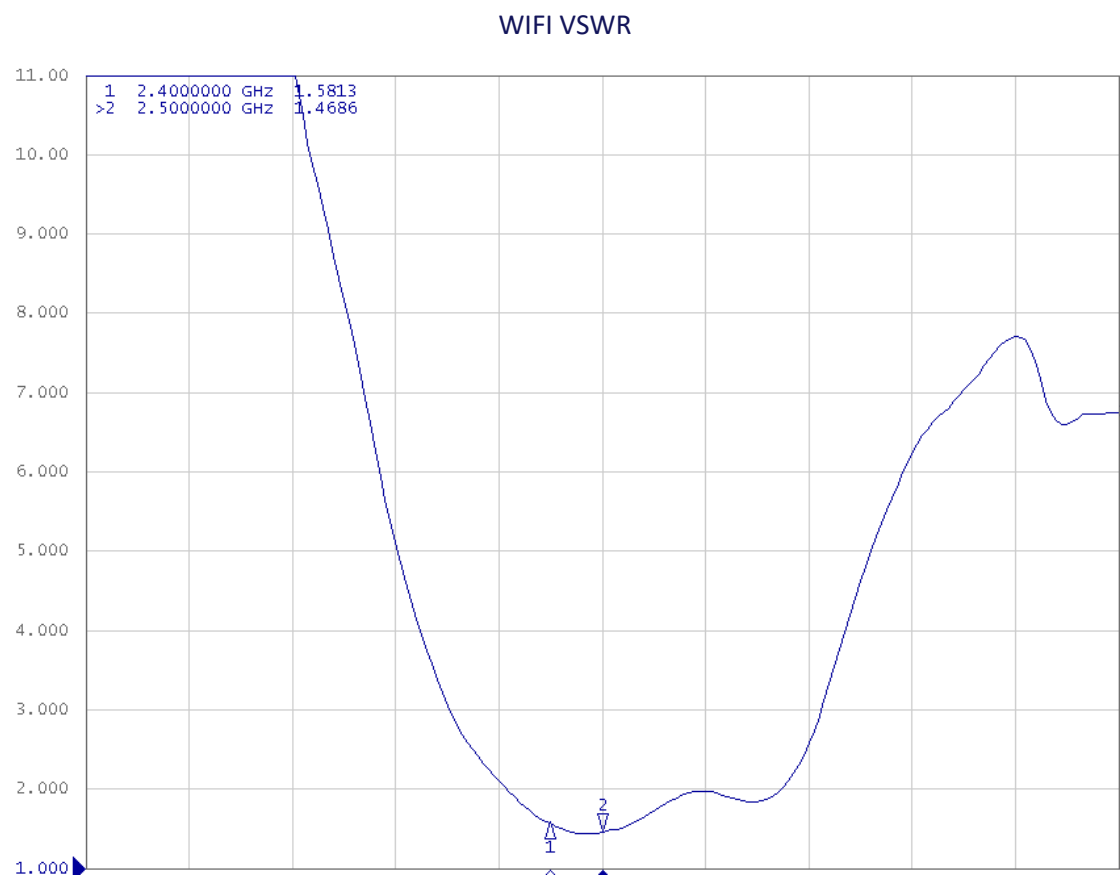
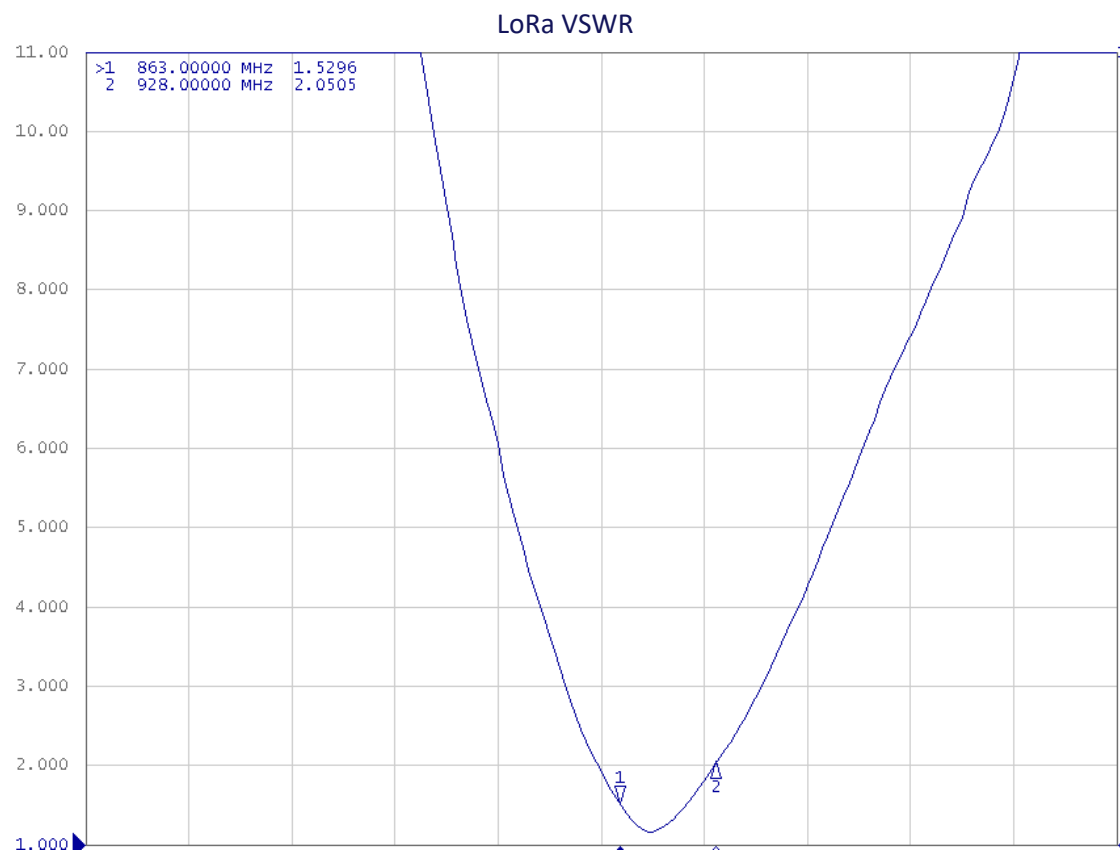
| PARAMETER                          | SPECIFICATION                        |           |
|------------------------------------|--------------------------------------|-----------|
| Frequency Bands, MHz               | 863-928                              | 2400-2500 |
| VSWR (Max)                         | 3.0:1                                | 3.0:1     |
| Peak Gain, dBi (Typ)               | Up to 0.6@8780MHz/Up to 1.89@2500MHz |           |
| Nominal Impedance                  | 50 Ω                                 |           |
| Max Power (ambient temp of 25°C)   | 10 Watts                             |           |
| Azimuth Beam Width (deg)           | Omnidirectional                      |           |
| Polarization                       | Linear                               |           |
| Color                              | Black                                |           |
| Storage Temperature Range (°C)     | -40° C to +85° C                     |           |
| Operational Temperature Range (°C) | -30° C to +80° C                     |           |
| Material Substance Compliance      | REACH/RoHS Compliant                 |           |
| HSCODE                             | 8517707090                           |           |
| USHSCODE                           | 8517620010                           |           |
| UPC                                |                                      |           |

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## ELECTRICAL DATA

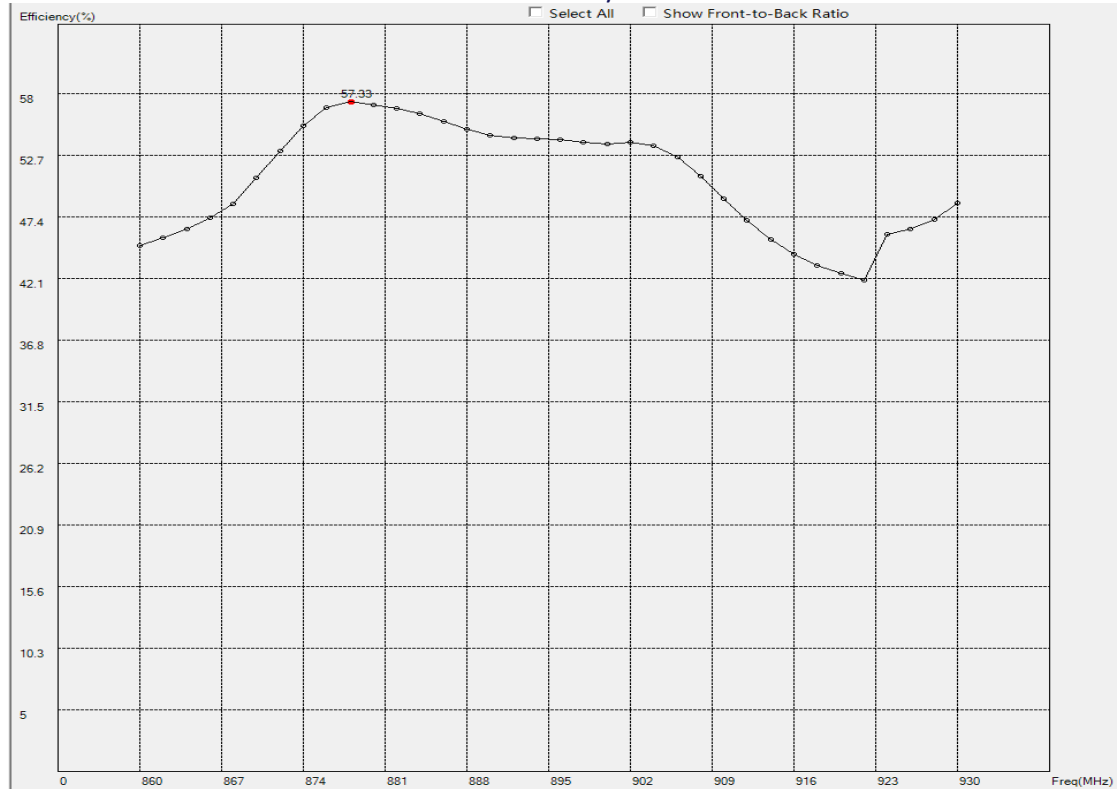


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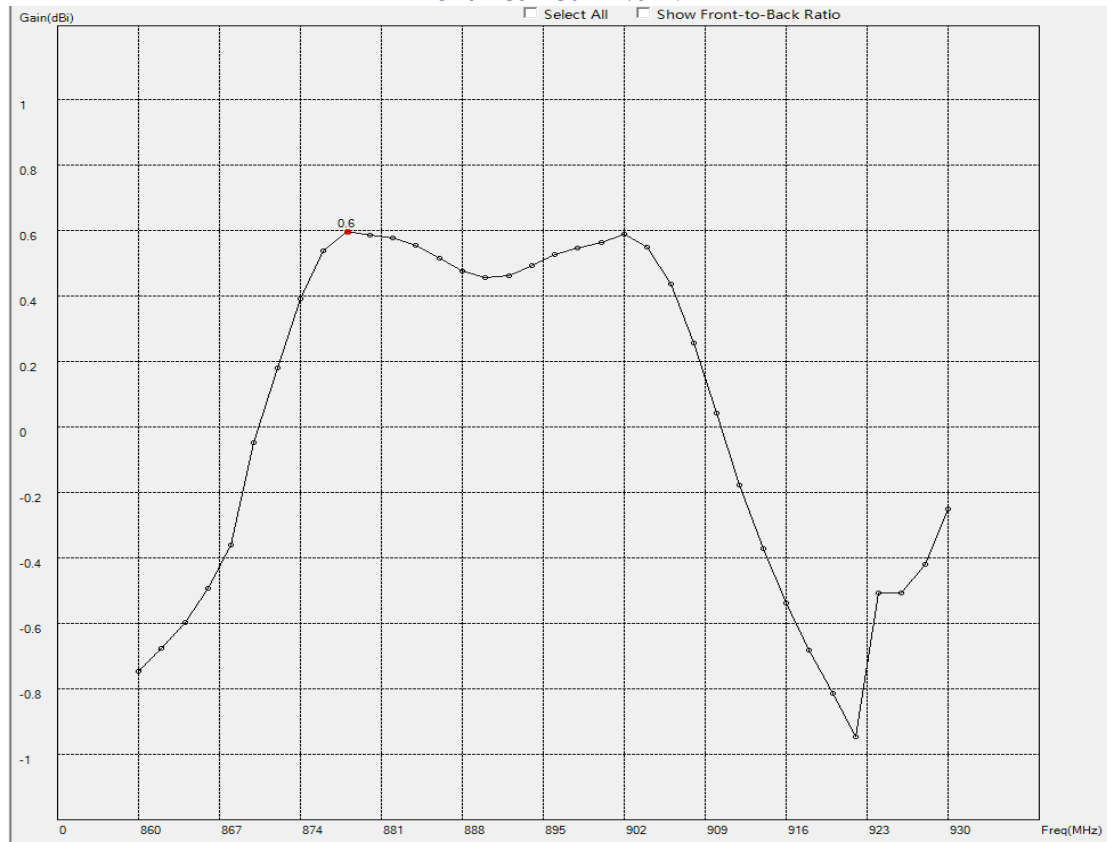
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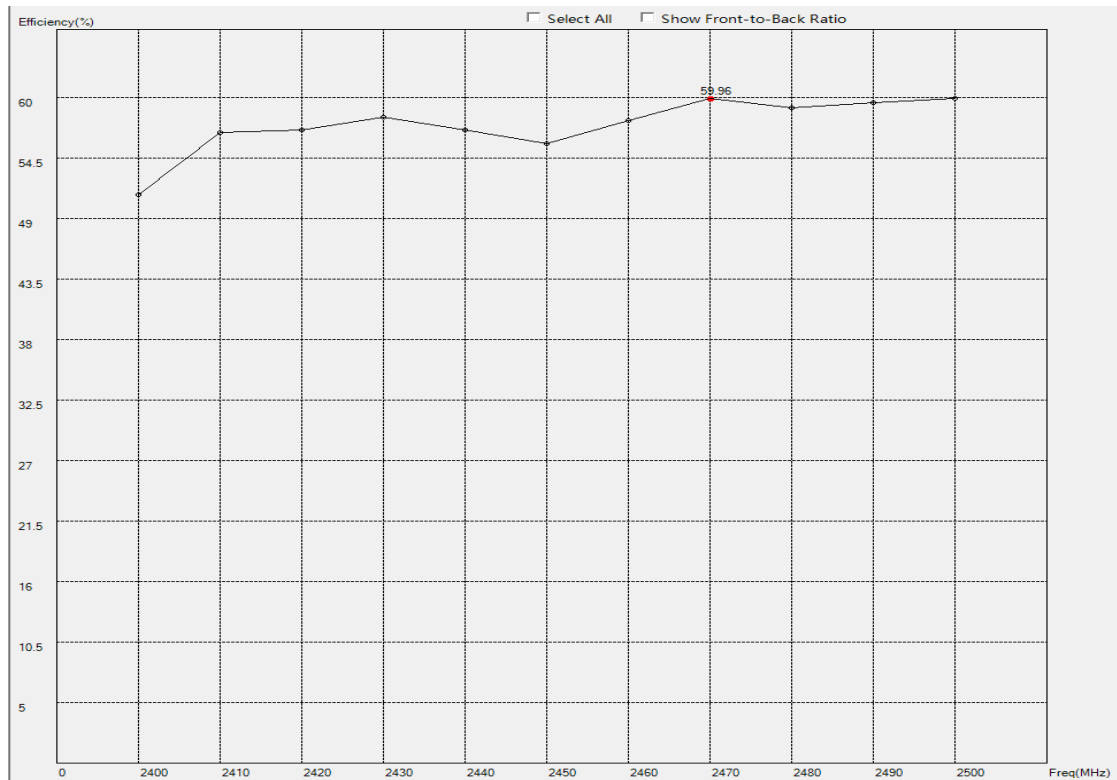
LoRa Efficiency (%)



LoRa Peak Gain (dBi)



WIFI Efficiency (%)



WIFI Peak Gain (dBi)



### LoRa 天线

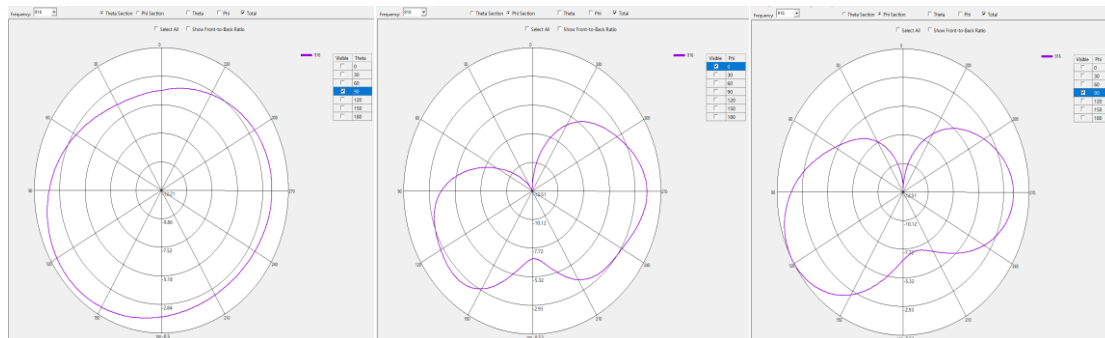
| Freq (MHz) | Gain (dBi) | Efficiency (%) | Freq (MHz) | Gain (dBi) | Efficiency (%) | Freq (MHz) | Gain (dBi) | Efficiency (%) |
|------------|------------|----------------|------------|------------|----------------|------------|------------|----------------|
| 860        | -0.75      | 44.96          | 884        | 0.55       | 56.27          | 908        | 0.26       | 50.91          |
| 862        | -0.67      | 45.61          | 886        | 0.51       | 55.61          | 910        | 0.04       | 48.98          |
| 864        | -0.60      | 46.33          | 888        | 0.48       | 54.91          | 912        | -0.18      | 47.11          |
| 866        | -0.49      | 47.30          | 890        | 0.46       | 54.45          | 914        | -0.37      | 45.44          |
| 868        | -0.36      | 48.52          | 892        | 0.46       | 54.19          | 916        | -0.54      | 44.20          |
| 870        | -0.05      | 50.78          | 894        | 0.49       | 54.13          | 918        | -0.68      | 43.23          |
| 872        | 0.18       | 53.04          | 896        | 0.53       | 54.02          | 920        | -0.81      | 42.55          |
| 874        | 0.39       | 55.27          | 898        | 0.55       | 53.81          | 922        | -0.95      | 41.98          |
| 876        | 0.54       | 56.81          | 900        | 0.56       | 53.67          | 924        | -0.51      | 45.93          |
| 878        | 0.60       | 57.33          | 902        | 0.59       | 53.84          | 926        | -0.51      | 46.32          |
| 880        | 0.59       | 57.01          | 904        | 0.55       | 53.56          | 928        | -0.42      | 47.19          |
| 882        | 0.58       | 56.70          | 906        | 0.44       | 52.55          | 930        | -0.25      | 48.60          |

### WIFI 天线

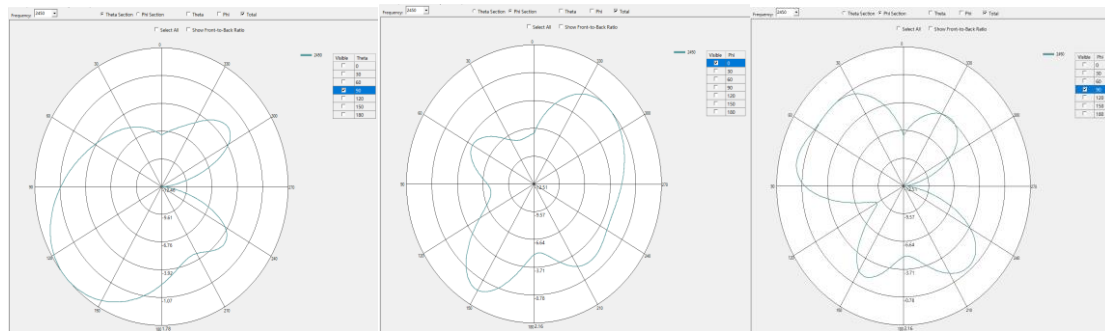
| Freq (MHz) | Gain (dBi) | Efficiency (%) | Freq (MHz) | Gain (dBi) | Efficiency (%) |
|------------|------------|----------------|------------|------------|----------------|
| 2400       | 1.2        | 51.18          | 2460       | 1.59       | 57.87          |
| 2410       | 1.7        | 56.79          | 2470       | 1.82       | 59.96          |
| 2420       | 1.73       | 57.07          | 2480       | 1.82       | 59.08          |
| 2430       | 1.8        | 58.24          | 2490       | 1.88       | 59.52          |
| 2440       | 1.71       | 57.03          | 2500       | 1.89       | 59.92          |
| 2450       | 1.53       | 55.8           |            |            |                |

## RADIATION PATTERNS

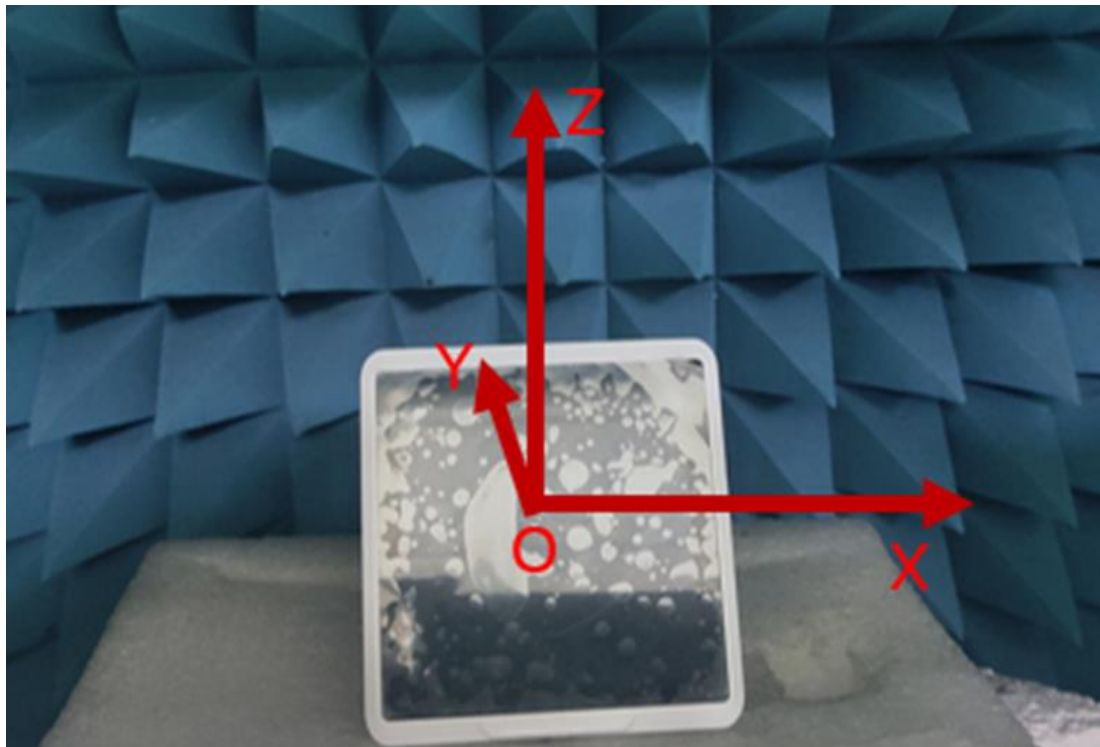
### 2D Radiation Pattern at 916MHz



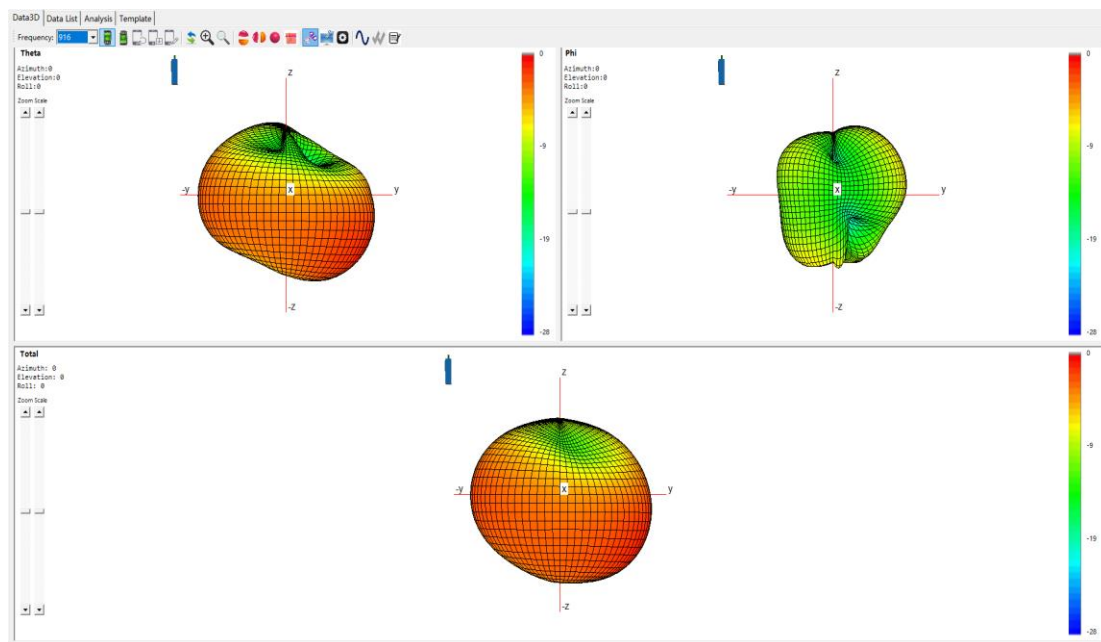
## 2D Radiation Pattern at 2450MHz



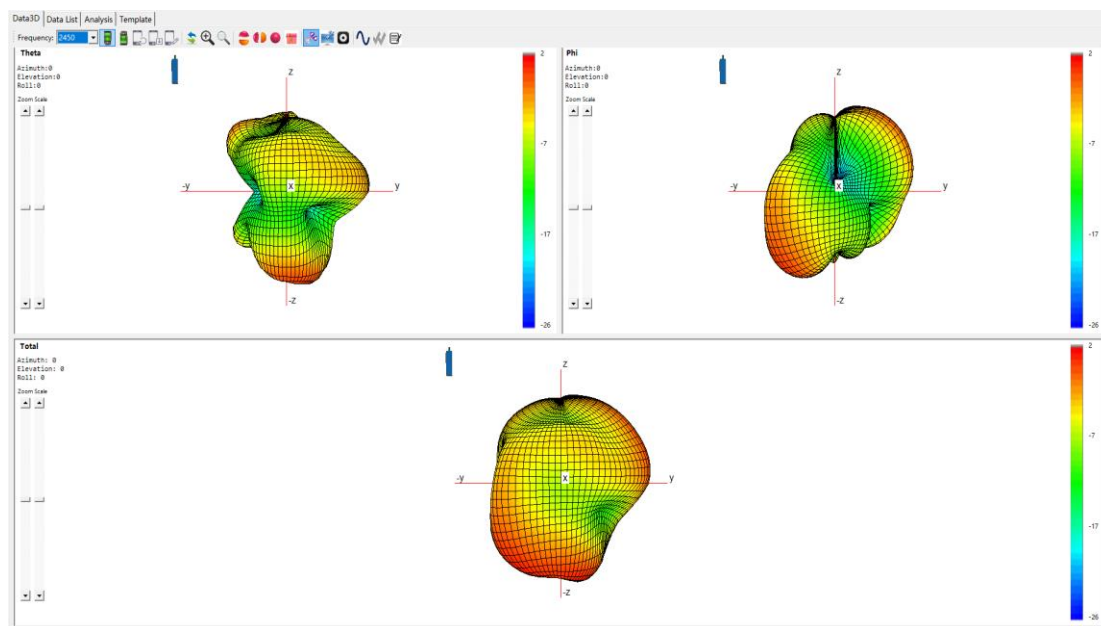
Directional pattern



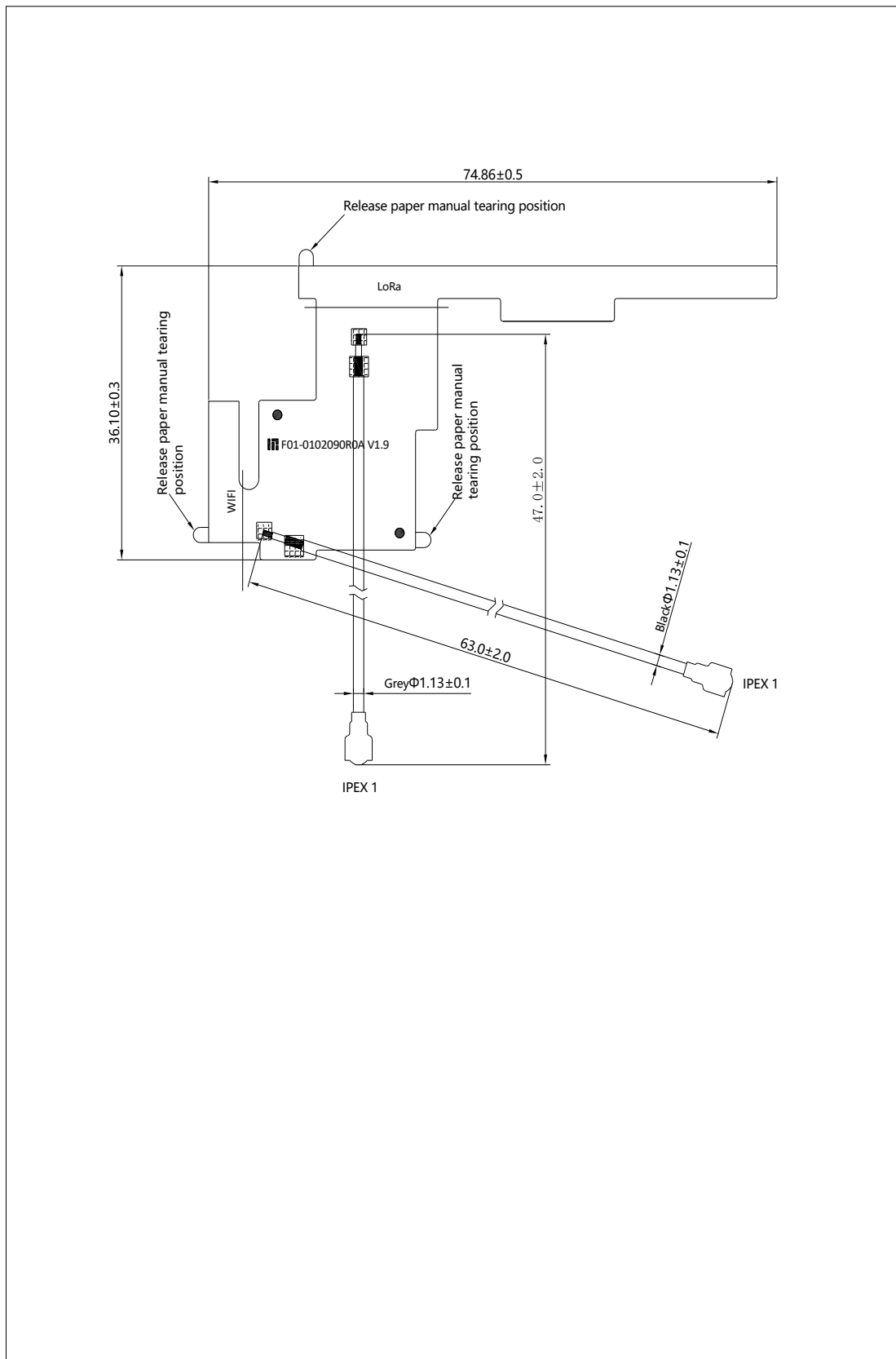
### 3D (LoRa)



### 3D(WIFI)



## HOUSING CONFIGURATIONS



Aboosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd. (often abbreviated as MyAntenna).

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