

## ANT-5GCombo7

GNSS + 5G MIMO + WIFI MIMO Antenna



### Outstanding Features

- **COMBO 7-in-1 ANTENNA:** 4x 5G LTE MIMO, 2x Wi-Fi and 1x GNSS Antenna; Screw mount; Cable length 3 meters (10ft).
- **IP67 WATERPROOF:** Outdoor Roof Type, water and dust-resistant for ultimate outdoor reliability.
- **GLOBAL 5G LTE RANGE:** Supports 4x4 MIMO; Works in most countries in the world with frequency range: 617~960MHz/ 1710~2690MHz/ 2900~3800MHz; 4x SMA Male Connector.
- **DUAL BAND Wi-Fi:** Supports 2x2 MIMO; Frequency range: 2400~2483.5MHz/ 4900~5925MHz; 2x RP-SMA Male Connector.
- **GNSS ANTENNA:** Frequency range: 1561.098~1575.42MHz; 1x SMA Male Connector.
- **COMPATIBLE ROUTERS:** Work with most 5G LTE cellular routers in the market with 2/3/4/5/6/7 antenna interfaces, like Teltonika RUTM50, RUTC50, RUTX50, TRB500. (Equivalent to Teltonika PR1KC640).

## Specification

| Model                | ANT-5GCombo7        |                                                                                     |
|----------------------|---------------------|-------------------------------------------------------------------------------------|
| GNSS Antenna         | Frequency           | GPS L1/L2/L5<br>GLONASS G1/G2/G3<br>COMPASS B1/B2/B3<br>Galileo E1/L1/E2/E5a/E5b/E6 |
|                      | Polarization        | RHCP                                                                                |
|                      | LNA Gain            | 40±2dB                                                                              |
|                      | Noise Figure        | ≤2.0dB                                                                              |
|                      | Supply Voltage      | 3~12V DC                                                                            |
|                      | Current Consumption | ≤60mA                                                                               |
|                      | V.S.W.R             | < 2.0                                                                               |
|                      | Impedance           | 50Ω                                                                                 |
| 5G NR Antenna MIMO*4 | Frequency Range     | 617~960MHz/1710~2690MHz/2900~3800MHz                                                |
|                      | V.S.W.R             | < 3.0                                                                               |
|                      | Polarization        | Linear                                                                              |
|                      | Gain                | 4dBi (Typ.)                                                                         |
|                      | Impedance           | 50Ω                                                                                 |
| WIFI Antenna MIMO*2  | Frequency Range     | 2400~2483.5MHz/4900~5925MHz                                                         |
|                      | V.S.W.R             | < 2.5                                                                               |
|                      | Polarization        | Linear                                                                              |
|                      | Gain                | 4dBi (Typ.)                                                                         |
|                      | Impedance           | 50Ω                                                                                 |
| Mechanical           | Cable               | LMR100*7                                                                            |
|                      | Connector           | SMA or others                                                                       |
|                      | Material            | PC/ABS                                                                              |
|                      | Mounting Method     | Screw                                                                               |

*\*Disclaimer: Technical specifications may subject to change without prior notice*

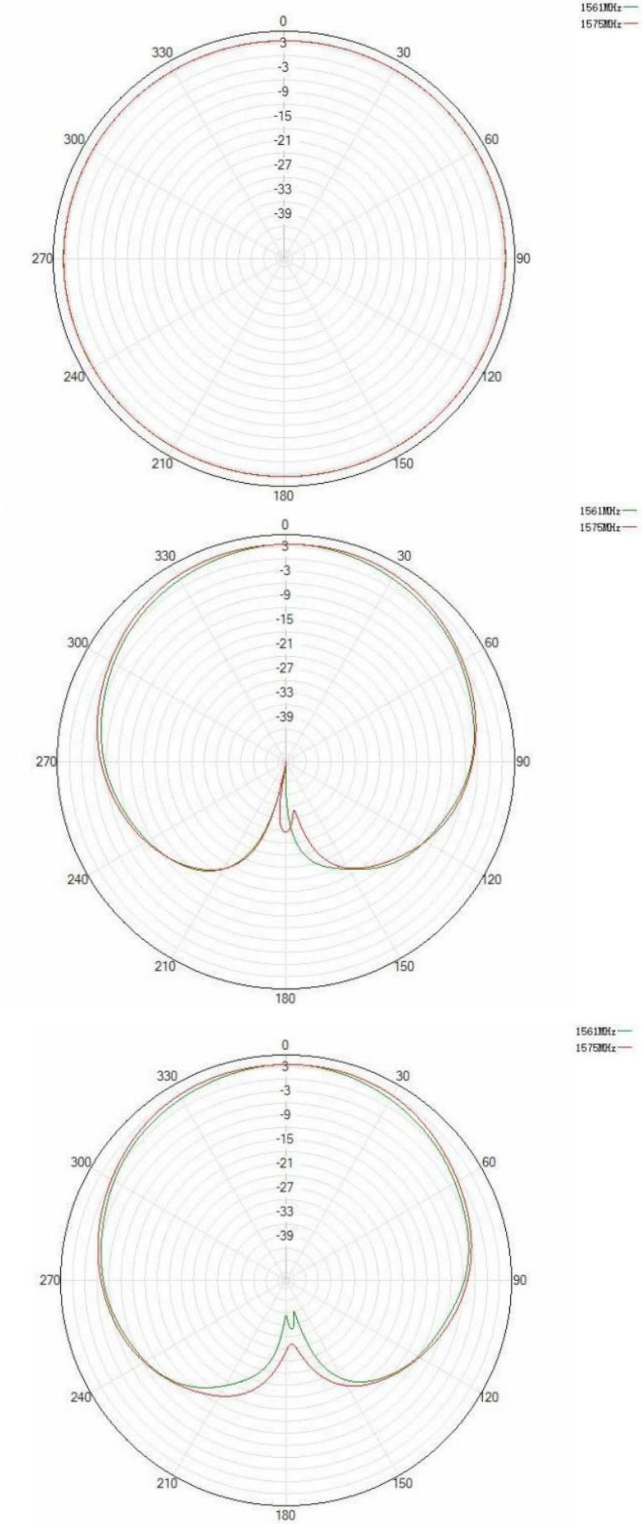
Specification

|               |                          |                                        |
|---------------|--------------------------|----------------------------------------|
| Environmental | Operating Temperature    | -40°C~+85°C                            |
|               | Relative Humidity        | Up to 95%                              |
|               | Ingress Protection       | IP67 (exclude cable outlet)            |
|               | Vibration                | 10 to 55Hz with 1.5mm amplitude 2hours |
|               | Environmentally Friendly | ROHS Compliant                         |

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Radiation Patterns

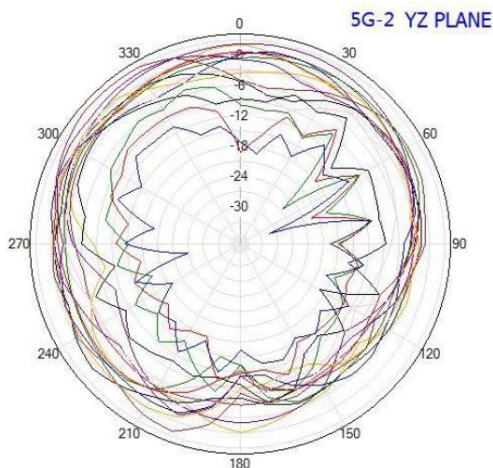
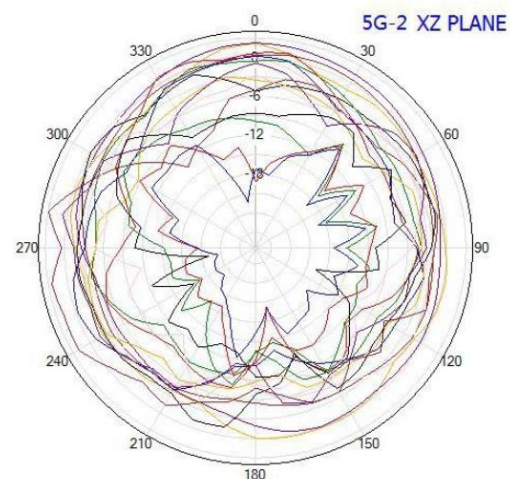
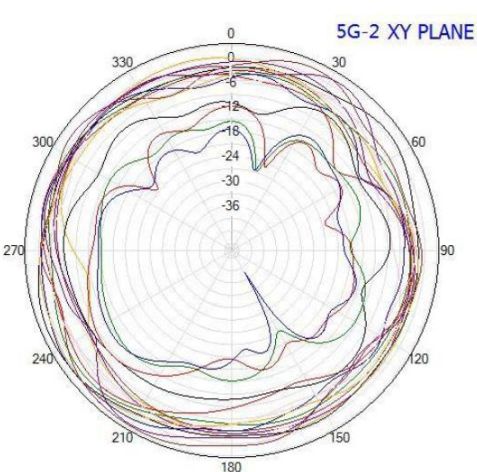
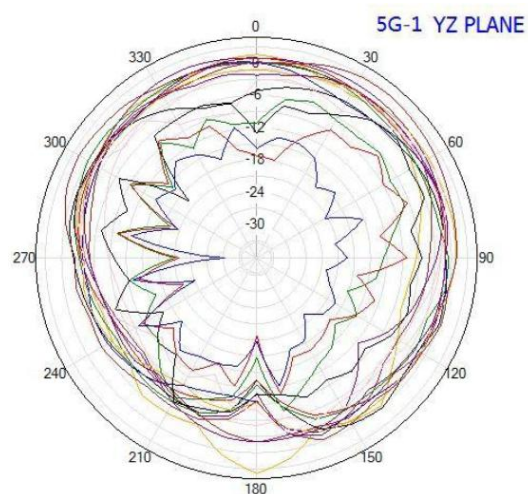
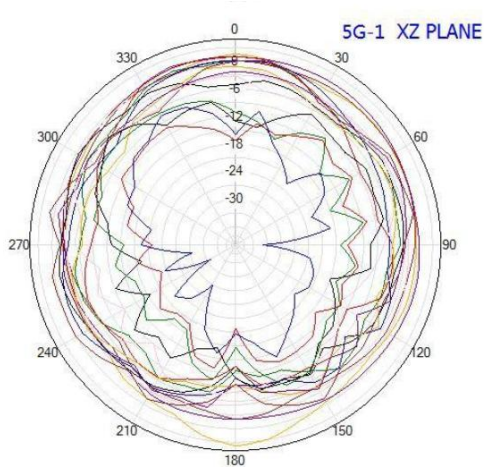
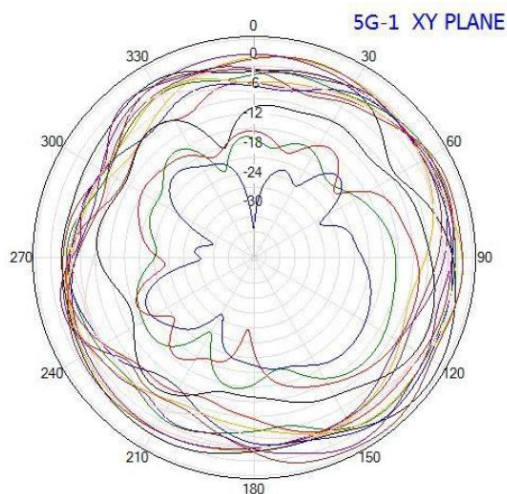
GPS Antenna



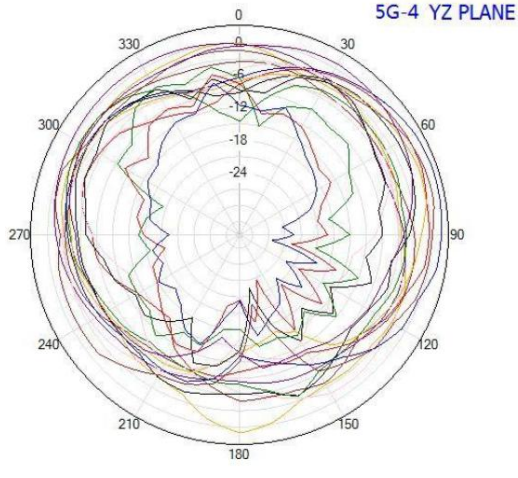
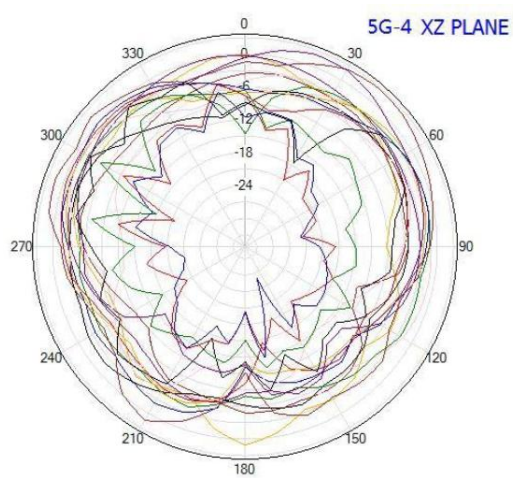
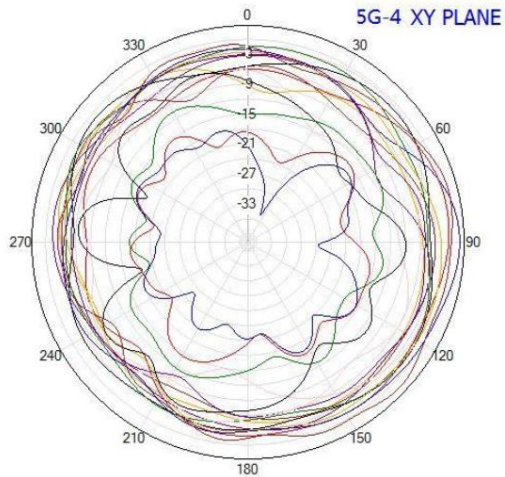
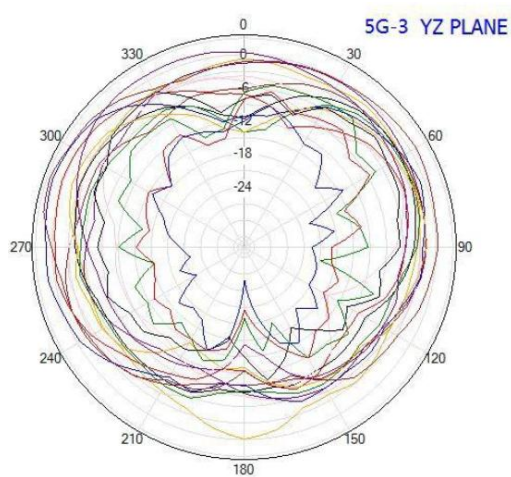
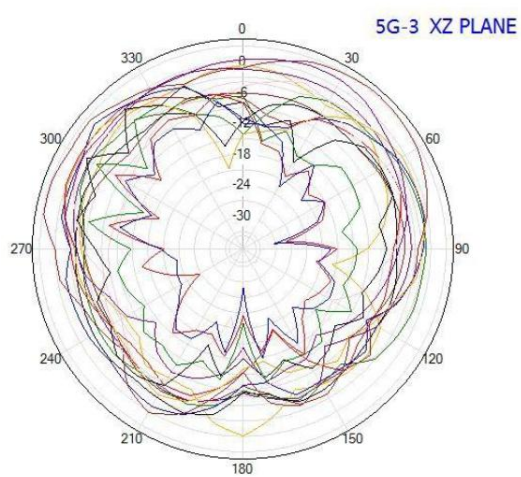
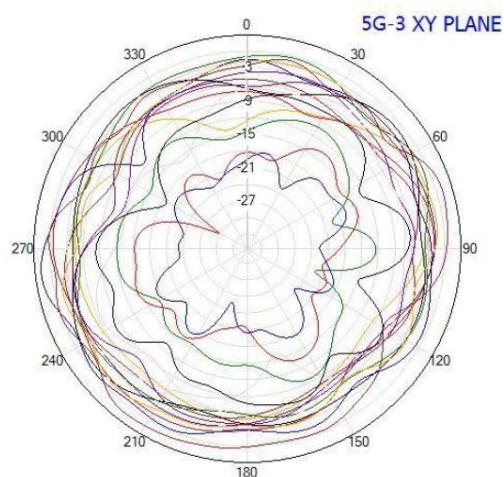
\*Discl

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## NR Antenna

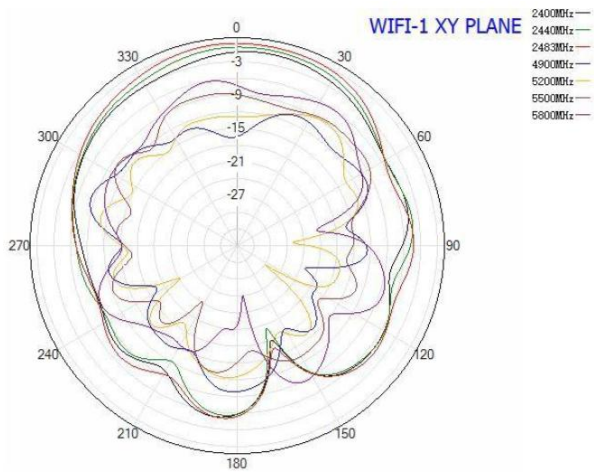


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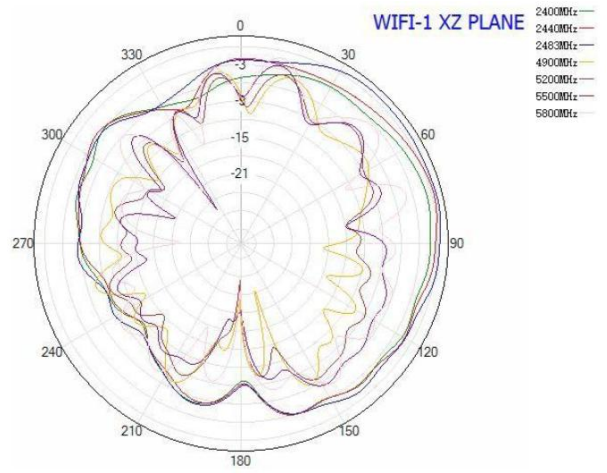


## WIFI Antenna

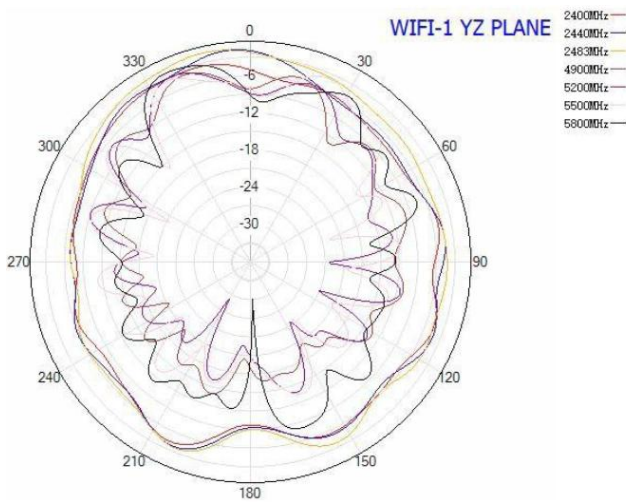
WIFI-1 XY PLANE



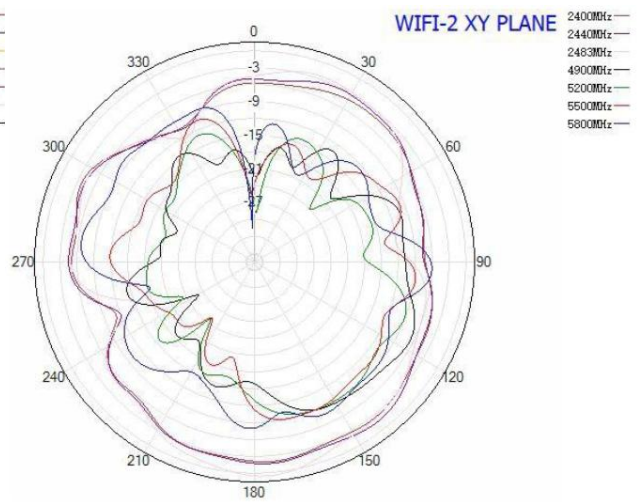
WIFI-1 XZ PLANE



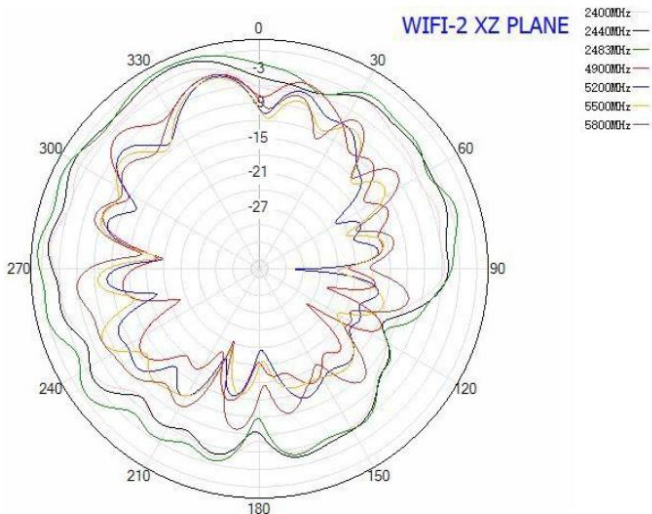
WIFI-1 YZ PLANE



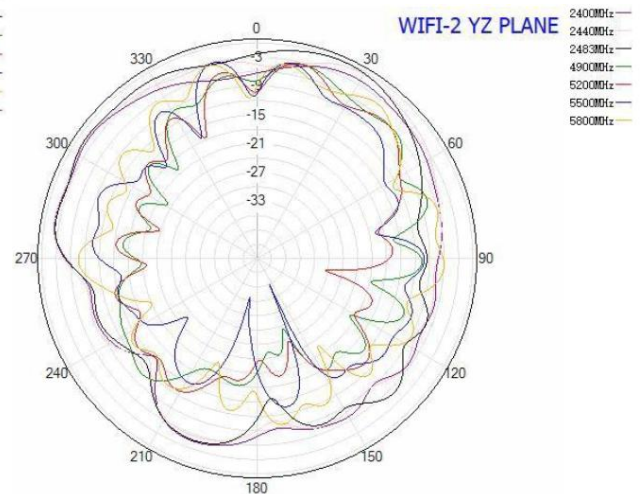
WIFI-2 XY PLANE



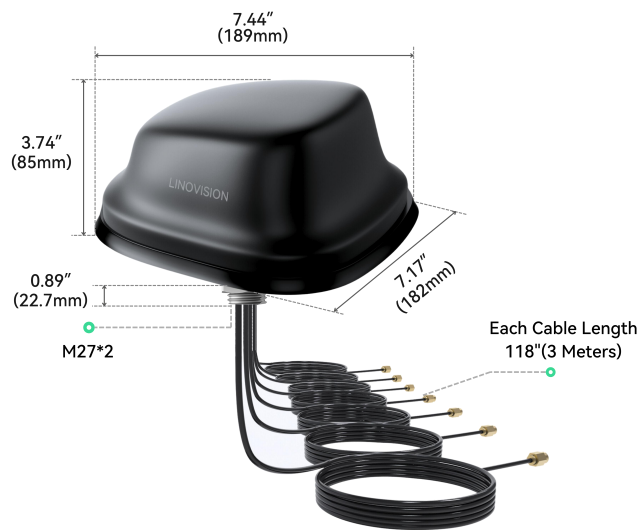
WIFI-2 XZ PLANE



WIFI-2 YZ PLANE

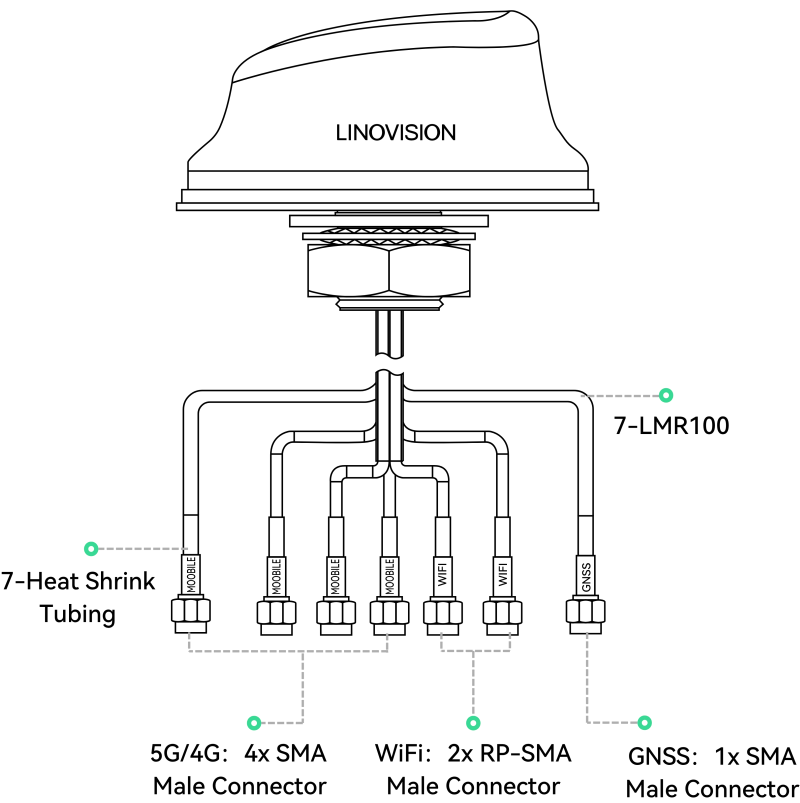


## Dimension

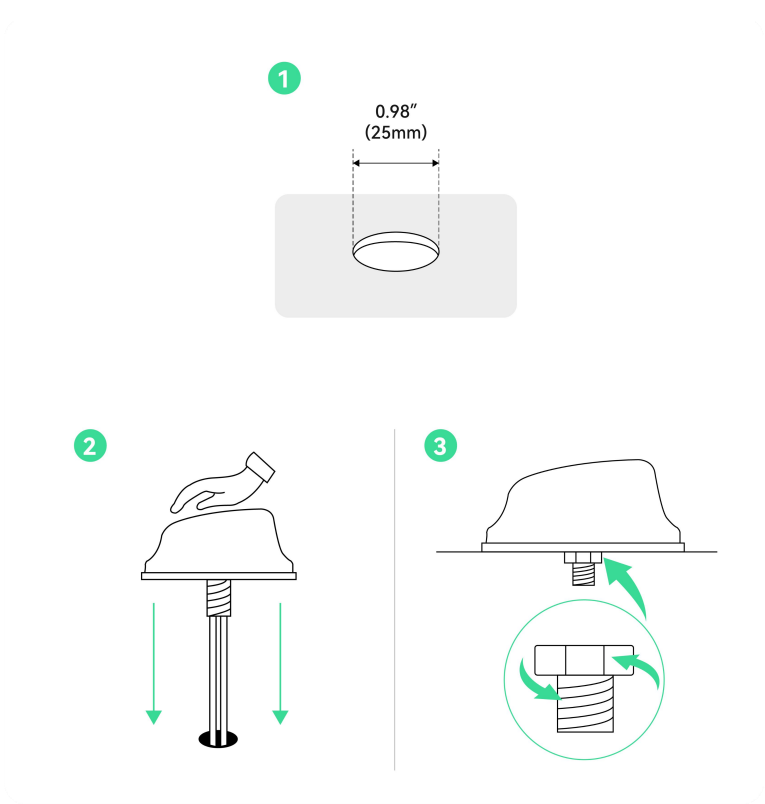


Weight:1000g (2.2 lb)

## Interface



## Installation



## Package Contents



ANT-5GCombo7



User Manual