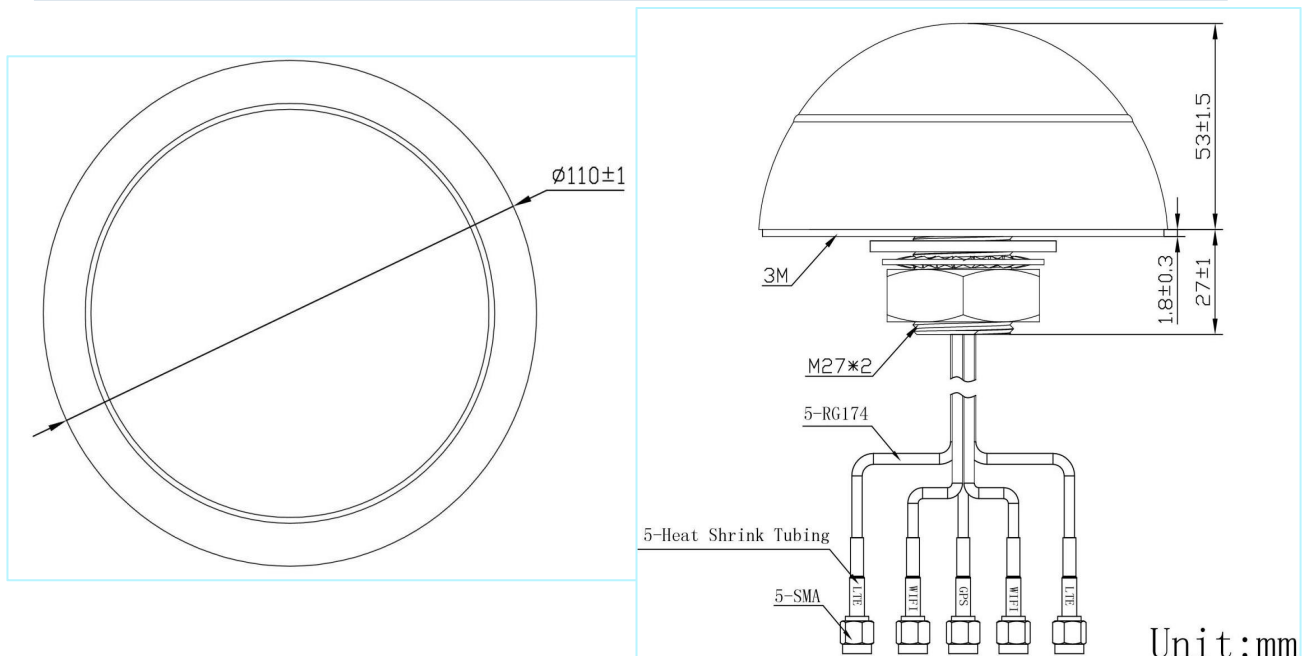


# Maswell 5 in 1 Combo Antenna Screw Mount GPS/GLONASS+4G LTE 2x2 MIMO+WIFI 2x2 MIMO

AN\_GPS\_MIMO\_WIFI\_604



## Mechanical dimension



# Maswell 5 in 1 Combo Antenna Screw Mount GPS/GLONASS+4G LTE 2x2 MIMO+WIFI 2x2 MIMO

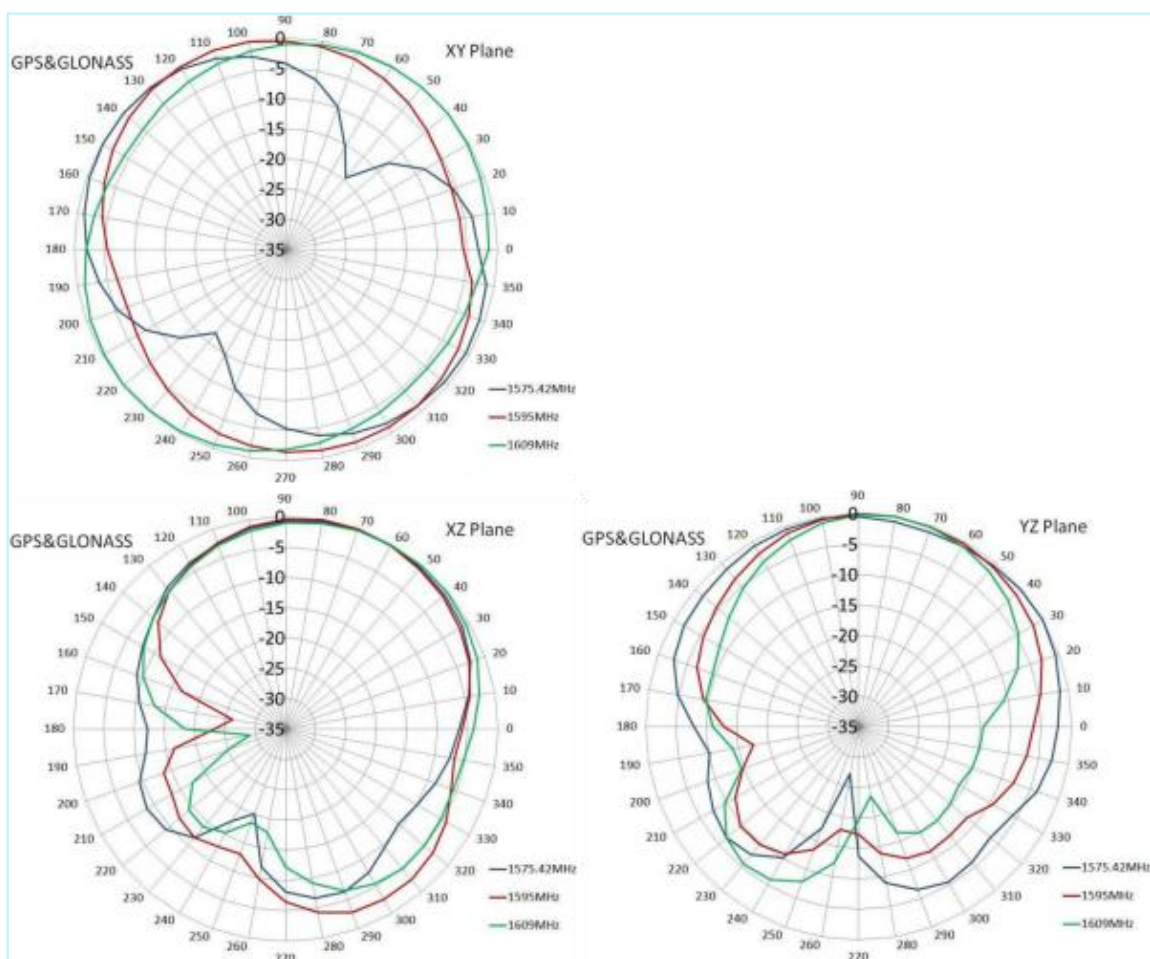
## Specifications

| Item                  | Specifications           |                                                        |
|-----------------------|--------------------------|--------------------------------------------------------|
| GPS&GLONASS Antenna   | Frequency Range          | 1575.42~1610MHz                                        |
|                       | Polarization             | RHCP                                                   |
|                       | Impedance                | 50Ω                                                    |
|                       | Dimension                | 110*53mm                                               |
|                       | Gain                     | 28±2dB                                                 |
|                       | Noise Figure             | ≤1.5dB                                                 |
|                       | Supply Voltage           | 3~5V DC                                                |
|                       | Current Consumption      | <15mA                                                  |
|                       | V.S.W.R                  | <2.0                                                   |
| LTE Antenna 2x2 MIMO  | Frequency Range          | 698~960MHz/1710~2690MHz                                |
|                       | V.S.W.R                  | <3.0                                                   |
|                       | Polarization             | Linear                                                 |
|                       | Gain                     | 3dBi                                                   |
|                       | Impedance                | 50Ω                                                    |
|                       |                          |                                                        |
| WIFI Antenna 2x2 MIMO | Frequency Range          | 2400~2483.5MHz/4900~5825MHz                            |
|                       | V.S.W.R                  | <2.5                                                   |
|                       | Polarization             | Linear                                                 |
|                       | Gain                     | 2dBi                                                   |
|                       | Impedance                | 50Ω                                                    |
| Mechanical            | Cable                    | 5 meters                                               |
|                       | Connector                | SMA male for GPS,SMA male for GSM,RP-SMA plug for WiFi |
|                       | Radome Material          | ABS                                                    |
|                       | Mounting Method          | Screw                                                  |
| Environmental         | Operating Temperature    | -40℃~+85℃                                              |
|                       | Relative Humidity        | Up to 95%                                              |
|                       | Ingress Protection       | IP67(exclude cable outlet)                             |
|                       | Vibration                | 10 to 55Hz with 1.5mm amplitude<br>2hours              |
|                       | Environmentally Friendly | ROHS Compliant                                         |

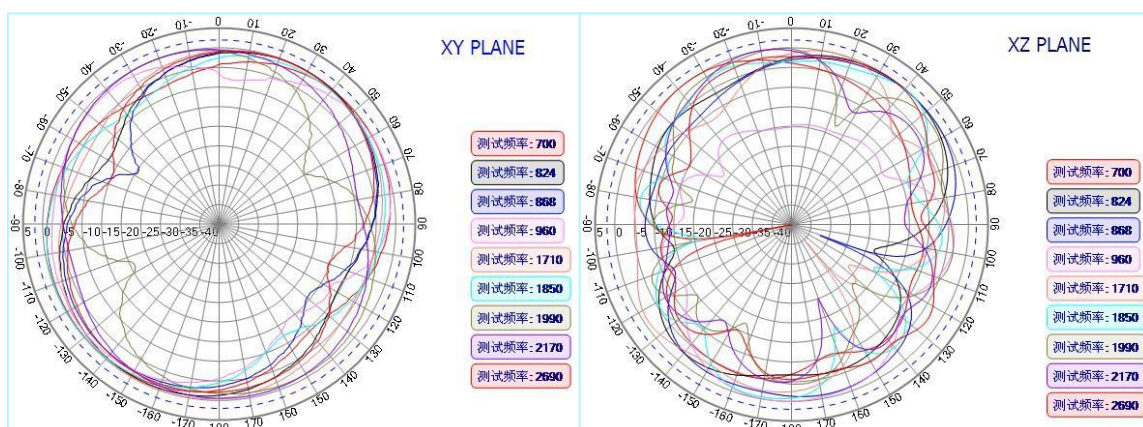
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## Radiation Patterns

GPS Antenna



LTE Antenna





# Maswell 5 in 1 Combo Antenna Screw Mount GPS/GLONASS+4G LTE 2x2 MIMO+WIFI 2x2 MIMO

## Radiation Patterns

WIFI Antenna

