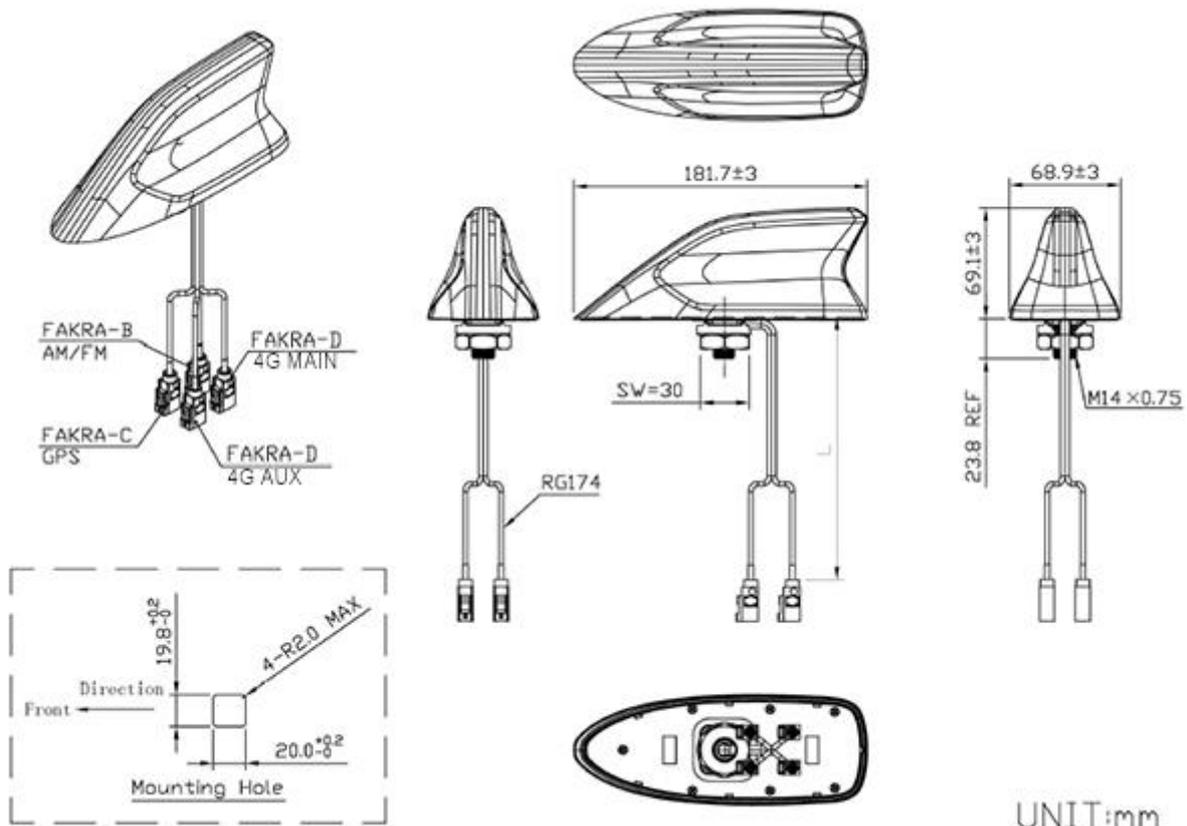


# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE 2x2 MIMO, GNSS and FM

AN\_GNSS\_MIMO\_FM\_072-FAKRA



## Mechanical dimension



UNIT:mm

# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE 2x2 MIMO , GNSS and FM

AN\_GNSS\_MIMO\_FM\_072-FAKRA

## Specifications

| Item                |                    | Specifications      |  |
|---------------------|--------------------|---------------------|--|
| GNSS Antenna        | Dielectric Antenna | Center Frequency    | 1561.098MHz-1602MHz<br>GPS/GLONASS/GAILEO/BEIDOU |
|                     |                    | Polarization        | RHCP   |
|                     |                    | Gain                | 2dBic (Zenith)                                   |
|                     |                    | V.S.W.R             | <1.5   |
|                     |                    | Impedance           | 50Ω  |
|                     | LNA                | Gain                | 28±2dB   |
|                     |                    | Noise Figure        | <2.0dB   |
|                     |                    | V.S.W.R             | <2.0   |
|                     |                    | Supply Voltage      | 3~5V DC  |
|                     |                    | Current Consumption | <15mA  |
| 4G LTE Antenna MAIN |                    | Frequency Range     | 698~960/MHz/1710~2690MHz                         |
|                     |                    | V.S.W.R             | <3.0   |
|                     |                    | Polarization        | Linear   |
|                     |                    | Gain                | 3.5dBi(Zenith)                                   |
|                     |                    | Impedance           | 50Ω  |
| 4G LTE Antenna AUX  |                    | Frequency Range     | 698-960MHz/1710-2690MHz                          |
|                     |                    | Polarization        | Linear   |
|                     |                    | Gain                | 3.0dBi(Zenith)                                   |
|                     |                    | V.S.W.R             | <2.0   |
|                     |                    | Impedance           | 50Ω  |

# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE 2x2 MIMO , GNSS and FM

AN\_GNSS\_MIMO\_FM\_072-FAKRA

## Specifications

| Item          | Specifications           |   |
|---------------|--------------------------|---|
| AM/FM Antenna | Frequency Range          | 520~1629KHz/76~108MHz                               |
|               | V.S.WR                   | ≤2.5  |
|               | Polarization             | Linear  |
|               | Gain                     | FM:16±3dB:AM:5±3dB                                  |
|               | Ipedance                 | 50 Ω  |
|               | Supply Voltage           | 9~16V DC  |
|               | Current Consumption      | ≤60mA@12V DC  |
| Mechanical    | Cable                    | RG174   |
|               | Connector                | GNSS: Fakra C, 4G MAIN/AUX :FAKRA D, FM/AM: Fakra B |
|               | Mounting Method          | Screw   |
| Environmental | Operating Temperature    | -40°C~+85°C   |
|               | Relative Humidity        | Up to 95%   |
|               | Ingress Protection       | IP67 (exclude cable outlet)                         |
|               | Vibration                | 10 to 1000Hz G=28.7m/s <sup>2</sup>                 |
|               | Environmentally Friendly | ROHS Compliant                                      |

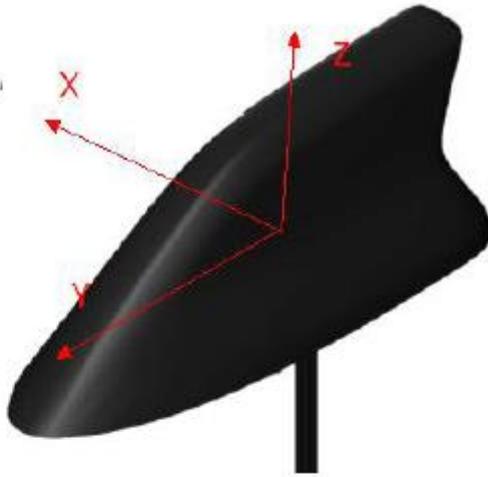
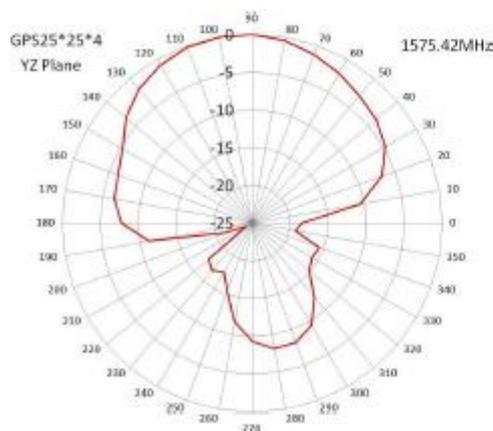
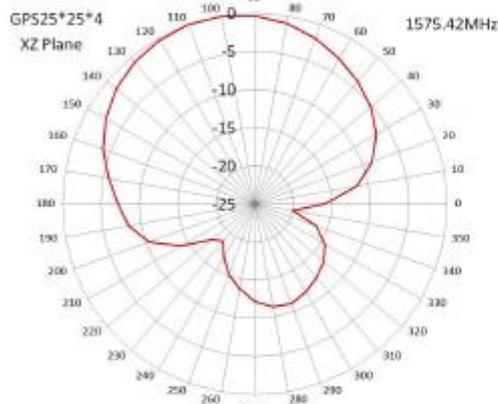
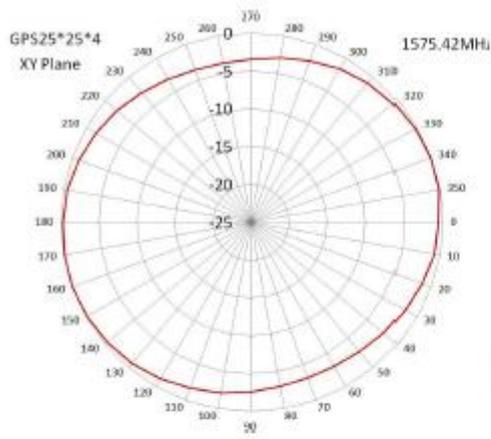
# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE 2x2 MIMO , GNSS and FM

AN\_GNSS\_MIMO\_FM\_072-FAKRA

## Radiation Patterns

GPS Antenna

GPS Antenna



# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE 2x2 MIMO , GNSS and FM

AN\_GNSS\_MIMO\_FM\_072-FAKRA

## Radiation Patterns

4G LTE Antenna

LTE Antenna

