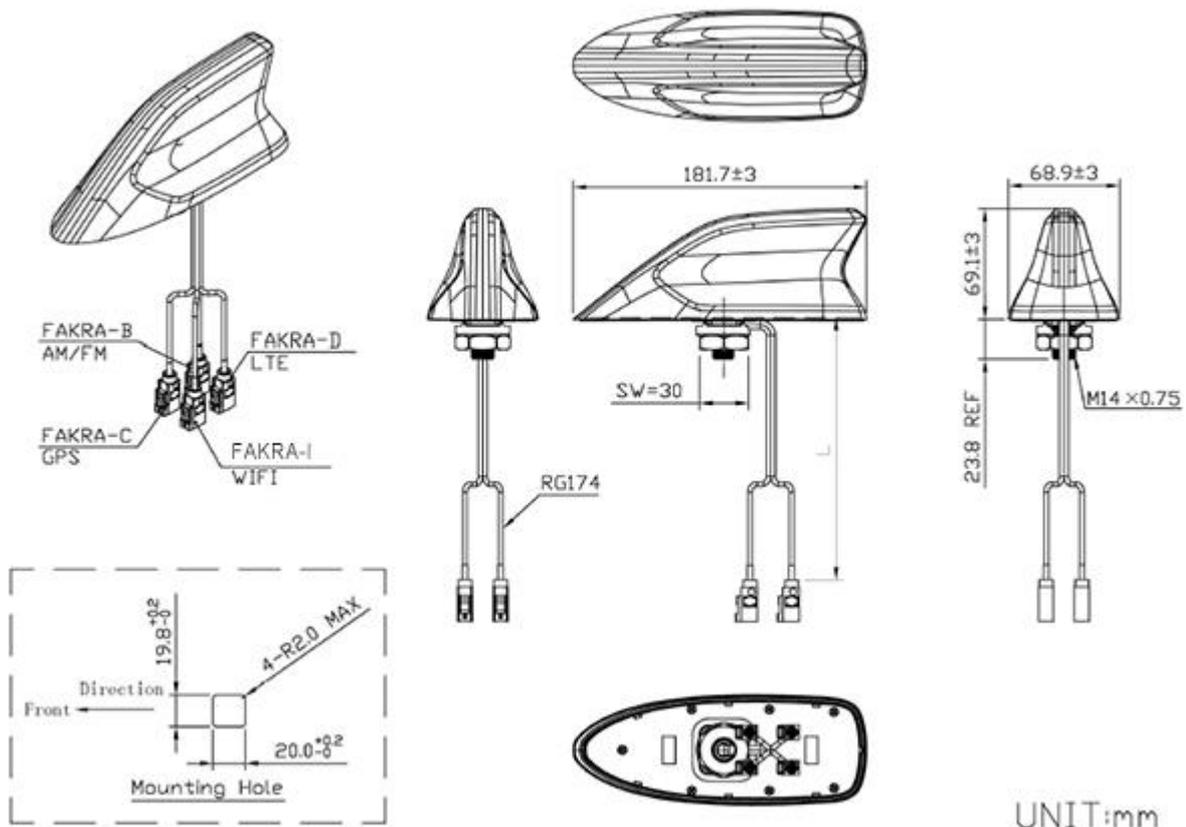


# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE, GNSS, WiFi/ Bluetooth and FM

AN\_GNSS\_LTE\_WF\_FM\_072-FAKRA



## Mechanical dimension



UNIT:mm

# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE, GNSS, WiFi/Bluetooth and FM

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## Specifications

Item		Specifications	
GNSS Antenna	Dielectric Antenna	Center Frequency	1561.098MHz-1602MHz 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	Frequency Range	698~960/MHz/1710~2690MHz	
	V.S.W.R	<3.0	
	Polarization	Linear	
	Gain	3.5dBi(Zenith)	
	Impedance	50Ω	
WIFI/Bluetooth Antenna	Frequency Range	2400~2483.5MHz	
	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, GNSS, WiFi/ Bluetooth and FM

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## 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 :FAKRA D, WIFI: FAKRA I , 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

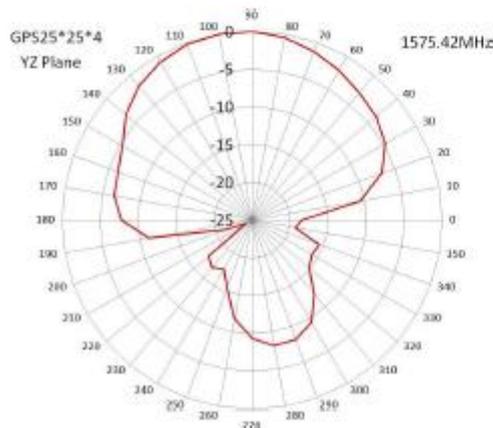
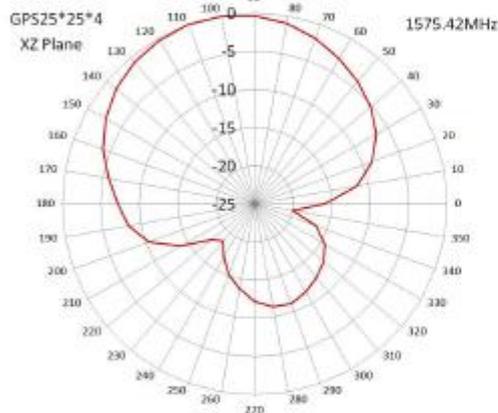
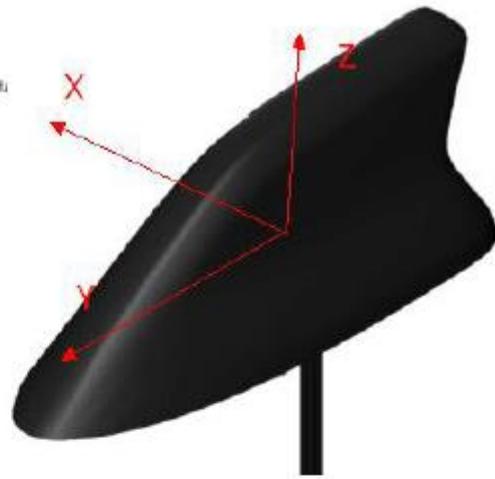
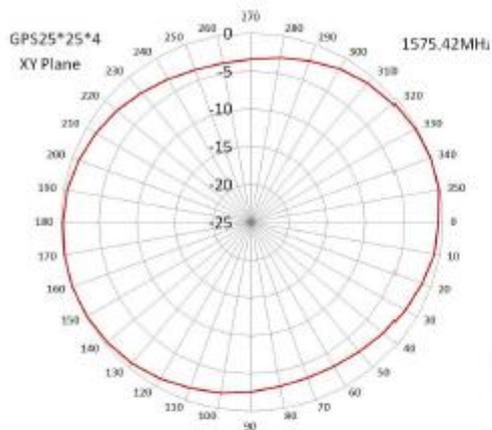
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## Radiation Patterns

GPS Antenna

GPS Antenna



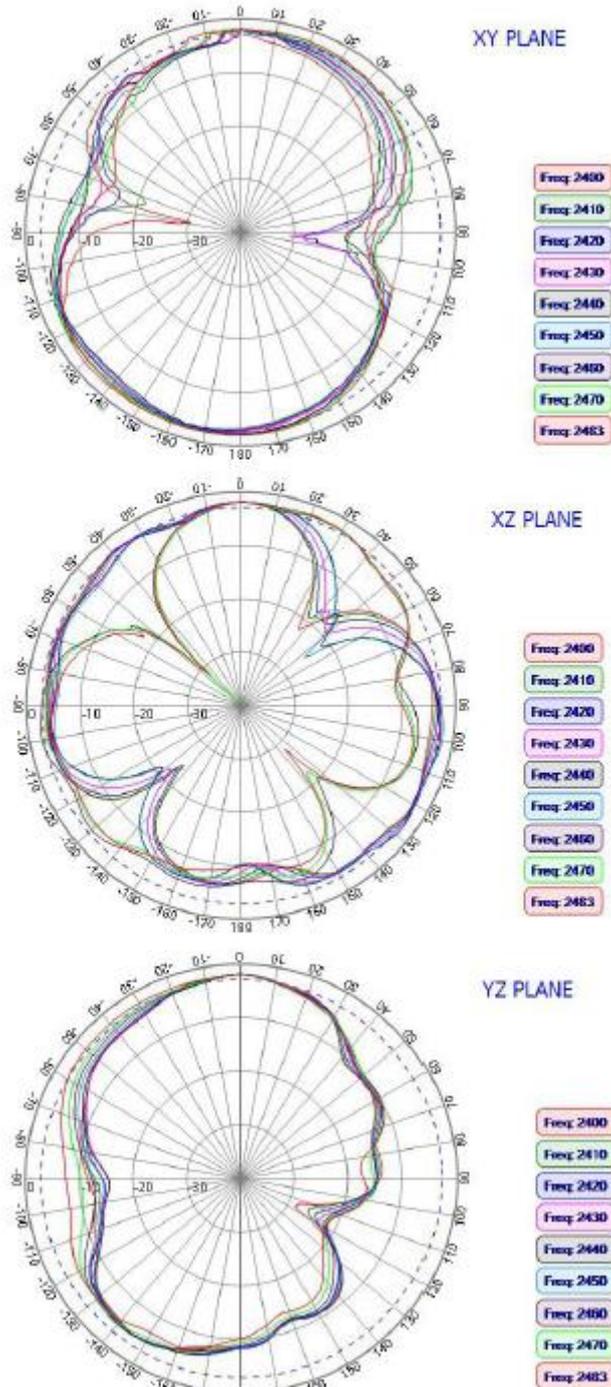
# Maswell 4 In 1 Combo antenna Shark Fin Shape FAKRA Connector 4G LTE, GNSS, WiFi/ Bluetooth and FM

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## Radiation Patterns

WiFi/Bluetooth Antenna

WiFi Antenna



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## Radiation Patterns

4G LTE Antenna

LTE Antenna

