



-7RF Antenna-

7RF-MX3-0002-GLWJ1-01



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*ISO-SPEC-19-27_A



I. Introduction.

7RF provides external Shark Fin Screw Mounted GPS, LTE, WiFi antenna solution. P/N: MX3-0002-GLWJ1-01 antenna supports GPS,LTE and WiFi in Shark Fin Housing application. The antenna has solid enclosure with M14 thread, which direct goes through target plate. The antenna has 1.5 meters RG174 coaxial cable with FAKRA connector as standard configuration. Cable length & Connector are customizable. Contact your local sales to get more product information.

II. Antenna Specification Table

MX3-0002-GLWJ1-01	
Electrical Characteristics	
	LTE
Frequency (MHz)	698-960, 1710-2690
Return Loss (dB)	<-6
Peak Gain (dBi)	3.50 Typ.
Polarization	Linear
	WiFi
Frequency (MHz)	2400-2500
Return Loss (dB)	<-10
Peak Gain (dBi)	3.00 Typ.
Polarization	Linear
	GPS Patch Antenna
Frequency (MHz)	1575.42 +/- 3
Return Loss (dB)	<-10
Peak Gain (dBi)	2.00 Typ.
Polarization	RHCP
	GPS LNA Circuit
Gain(dB)	28 +/- 2
Noise Figure (dB)	<-1.5
VSWR	<2
Operation Voltage (V)	3~5
Power Consumption (mA)	< 15

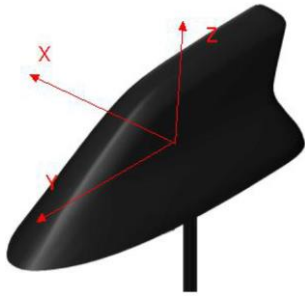


Mechanical Characteristics	
Dimension (mm)	181.7 * 68.9 * 69.1
Cable & Length	RG174, 1.5 meters
Connector	FAKRA
Mounting Method	Screw
Waterproof	IP67, exclude cable outlet
Storage Temperature (°C)	-40~+85
Operate Temperature (°C)	-40~+85

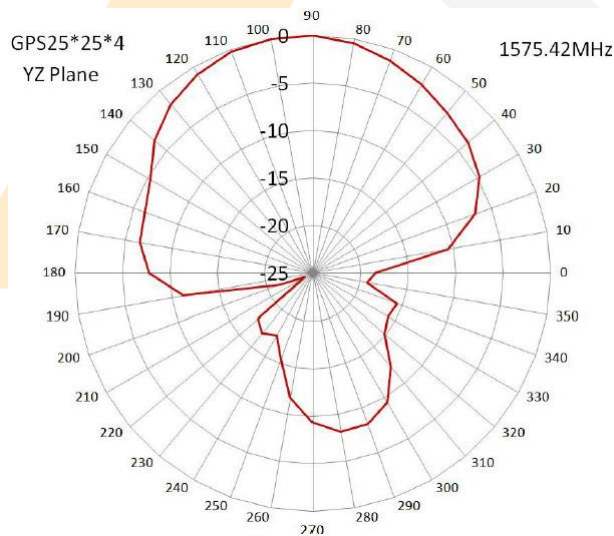
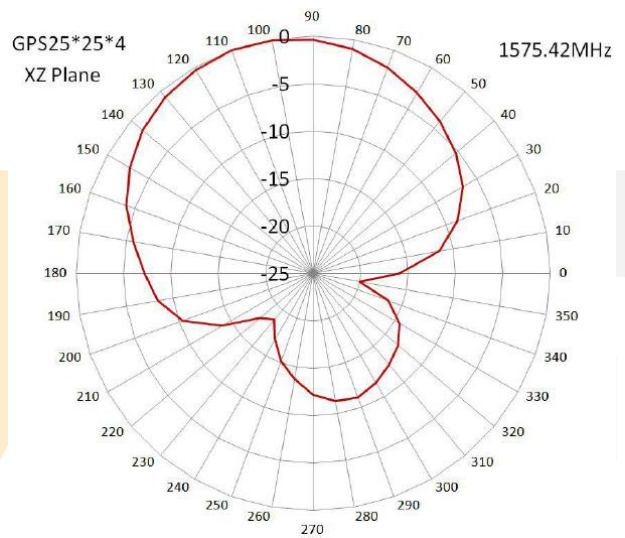
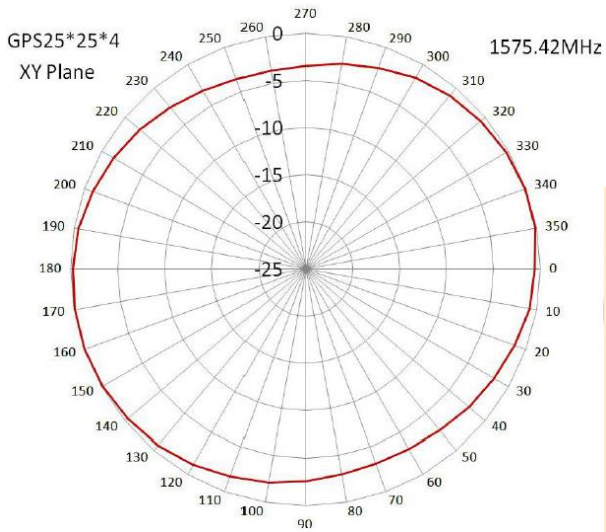


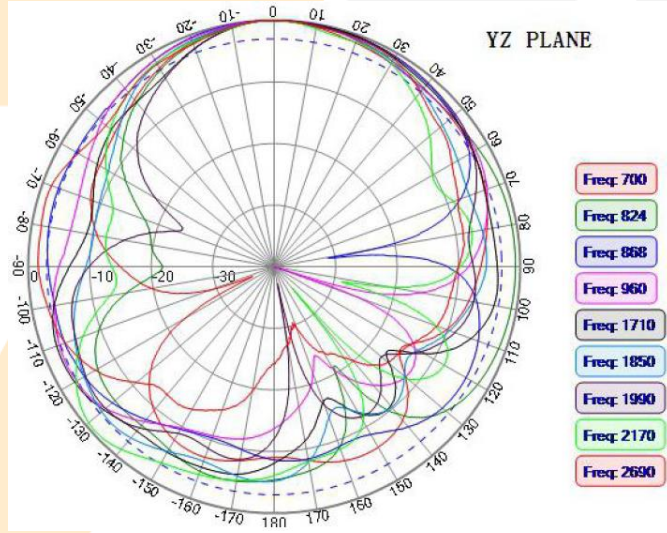
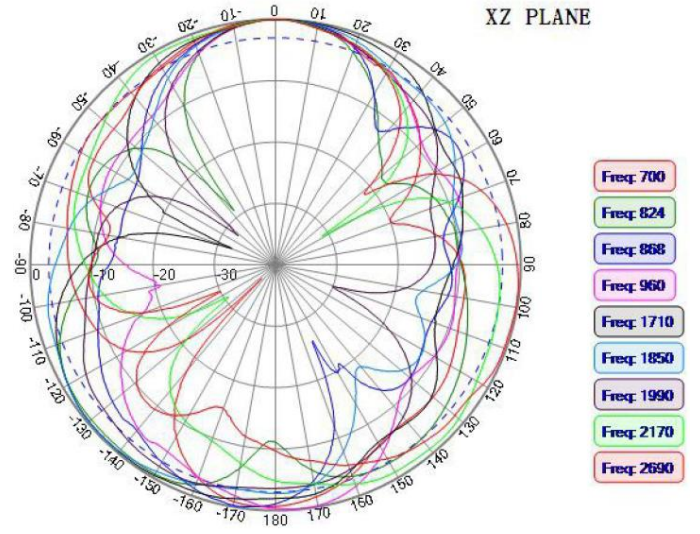
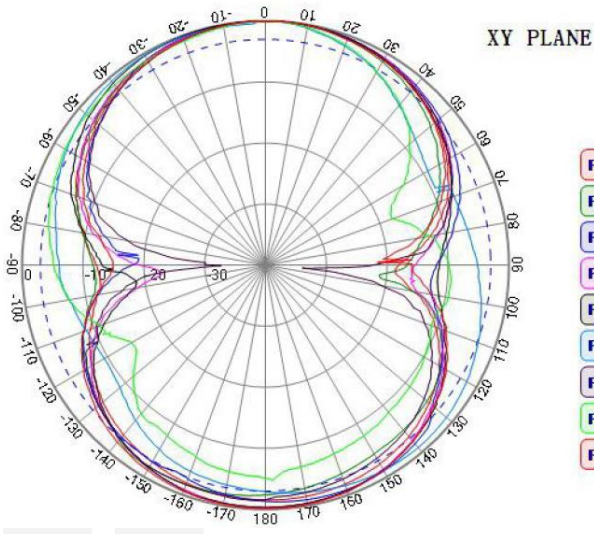


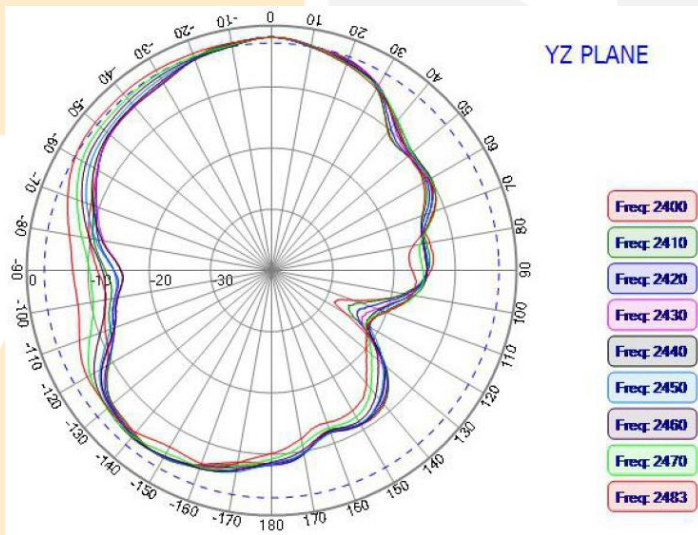
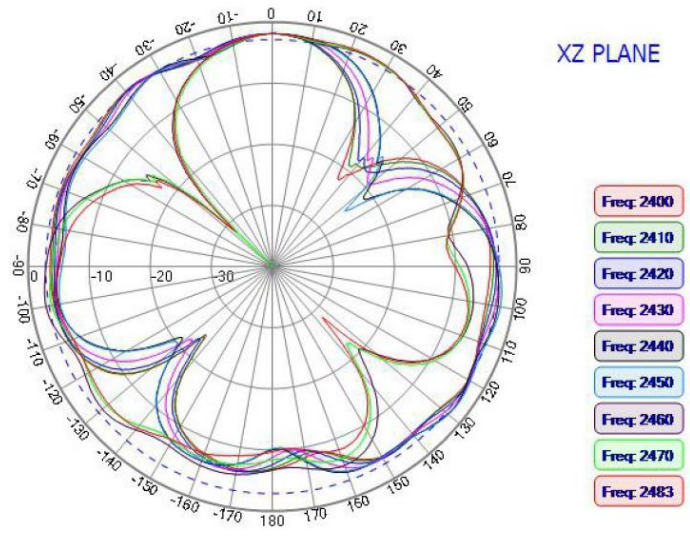
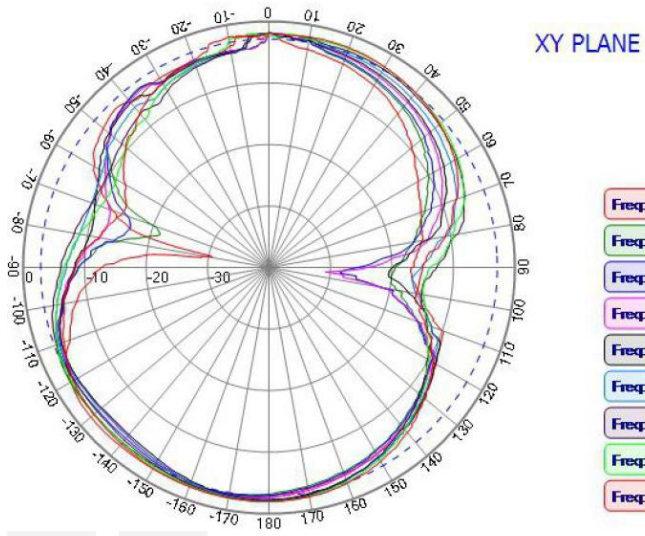
III. Antenna 2D Radiation Pattern



GPS

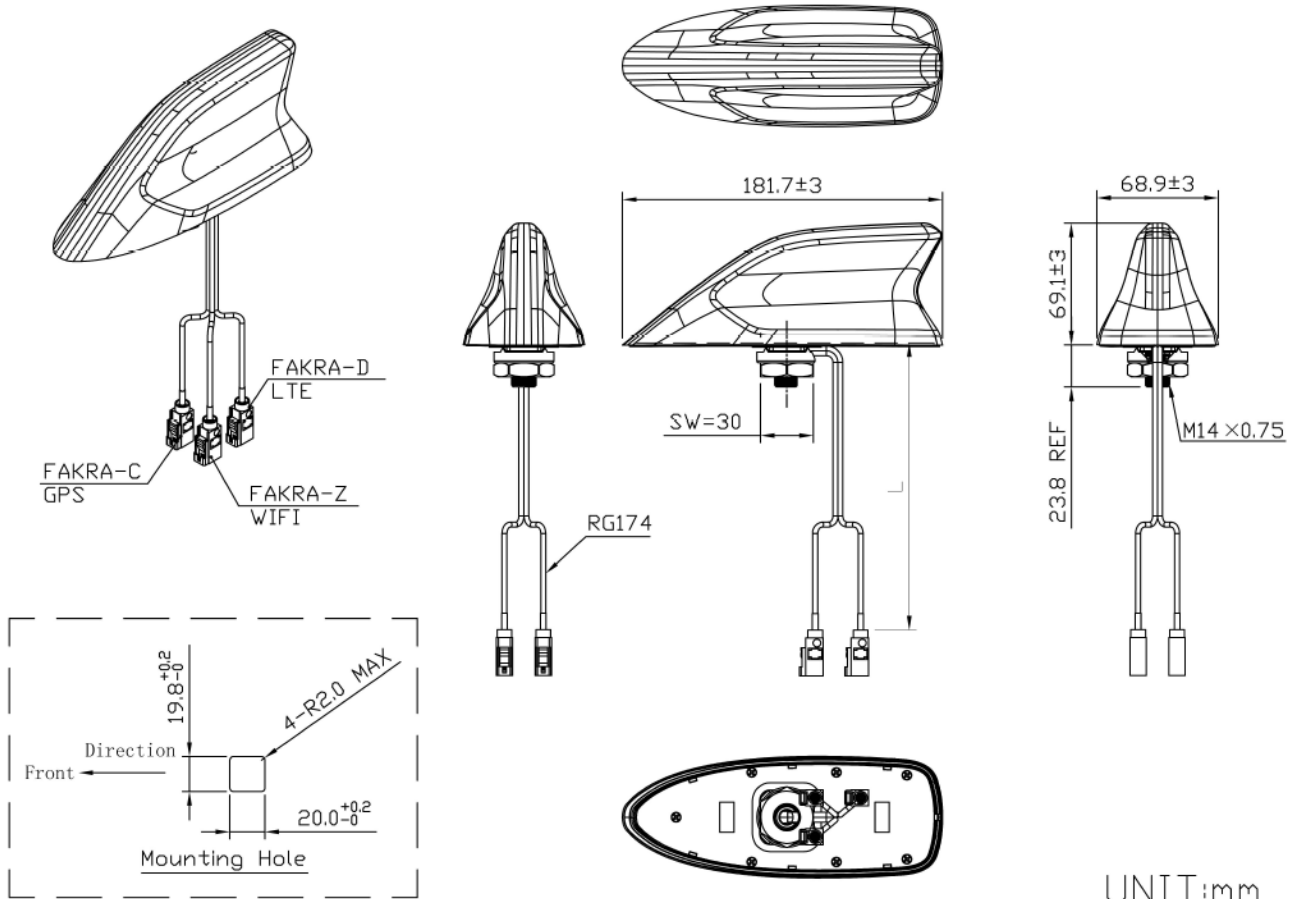








IV. Antenna Drawing



UNIT:mm

Cable Length: 1500+/-50mm