

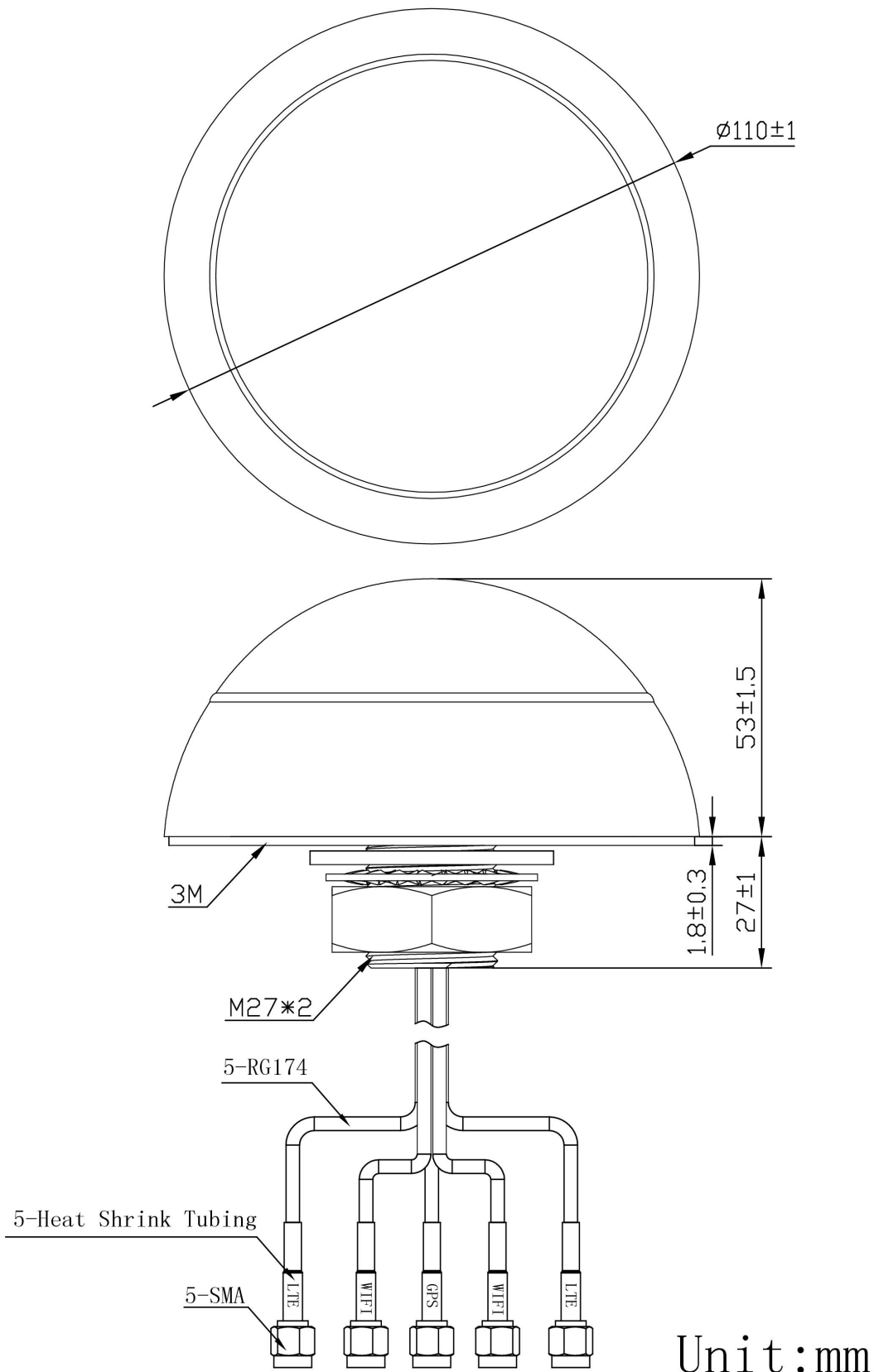
**V.TORCH**

GPS&GLONASS+LTE MIMO+WIFI MIMO Antenna

**VTGGLMWM-1**



## DIMENSIONS

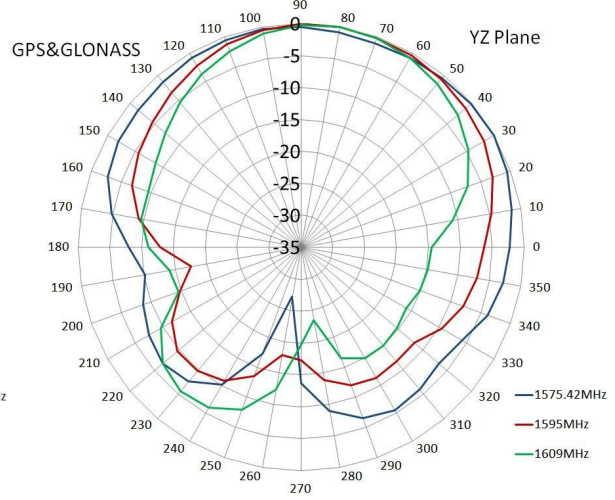
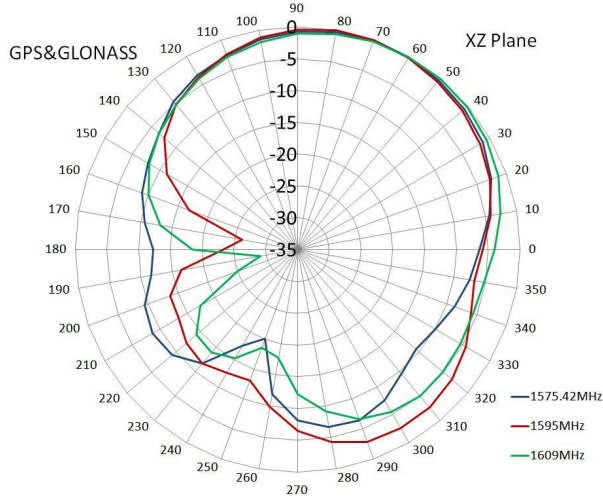
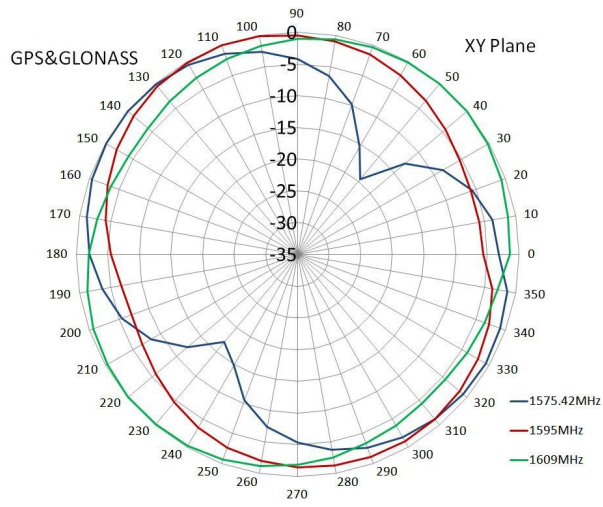


## SPECIFICATIONS

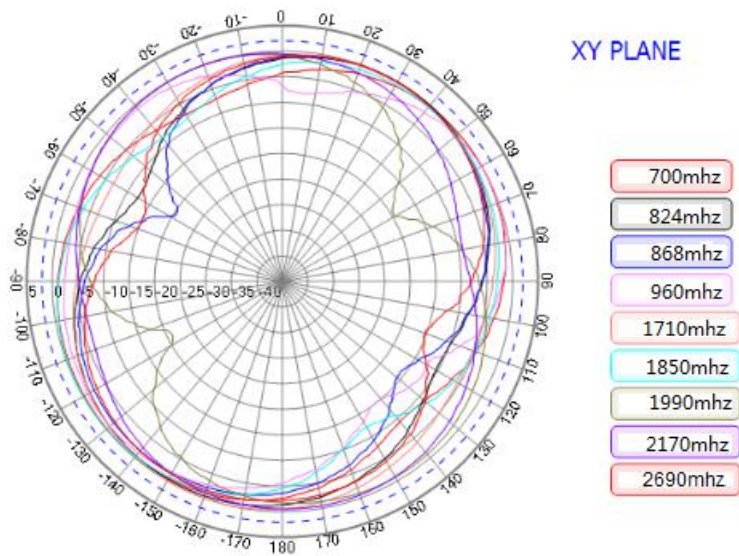
Item		Specifications
GPS&GLONASS Antenna	Frequency Range	1575.42~1610MHz
	Polarization	RHCP
	Impedance	50 $\Omega$
	Dimension	25*25*6mm
	Gain	28 $\pm$ 2dB
	Noise Figure	$\leq$ 1.5dB
	Supply Voltage	3~5V DC
	Current Consumption	< 15mA
	V.S.W.R	< 2.0
LTE Antenna MIMO	Frequency Range	698~960MHz/1710~2690MHz
	V.S.W.R	< 3.0
	Polarization	Linear
	Gain	3dBi
	Impedance	50 $\Omega$
WIFI Antenna MIMO	Frequency Range	2400~2483.5MHz/4900~5825MHz
	V.S.W.R	< 2.5
	Polarization	Linear
	Gain	2dBi
	Impedance	50 $\Omega$
Mechanical	Cable	RG174
	Connector	SMA or others
	Radome Material	ABS
	Mounting Method	Screw
Environmental	Operating Temperature	-40 $^{\circ}$ C ~+85 $^{\circ}$ 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

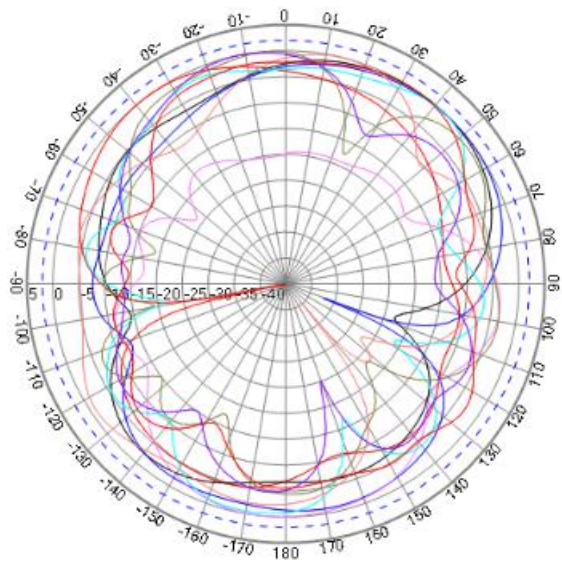
## Radiation Pattern

### GPS Antenna



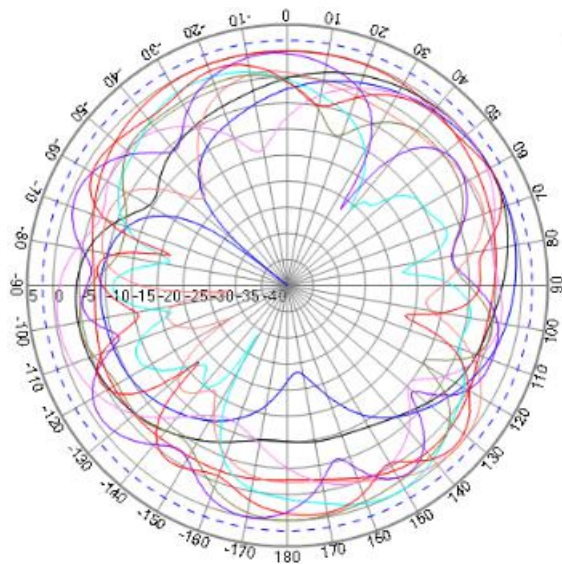
### LTE Antenna





XZ PLANE

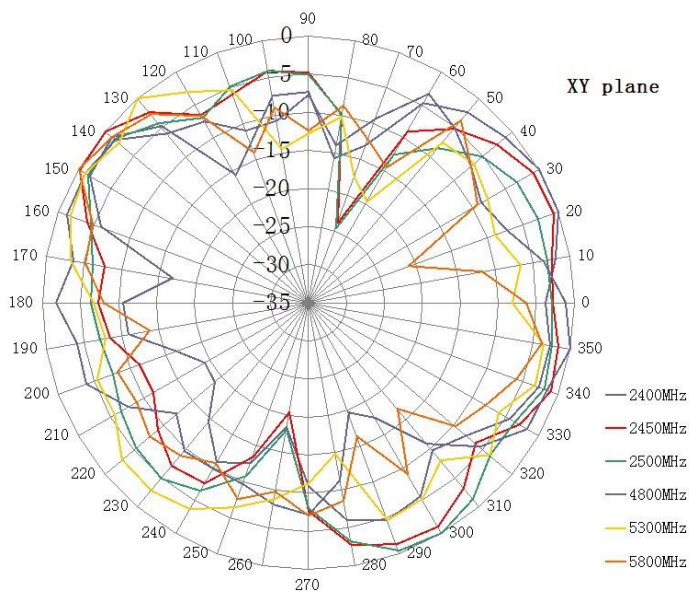
- 700mhz
- 824mhz
- 868mhz
- 960mhz
- 1710mhz
- 1850mhz
- 1990mhz
- 2170mhz
- 2690mhz



YZ PLANE

- 700mhz
- 824mhz
- 868mhz
- 960mhz
- 1710mhz
- 1850mhz
- 1990mhz
- 2170mhz
- 2690mhz

WIFI Antenna



XY plane

- 2400MHz
- 2450MHz
- 2500MHz
- 4800MHz
- 5300MHz
- 5800MHz

