



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## ANT-M5PUK-SMA

- MIMO: Multi Input Multi Output
- IP67 Rated & UV Protected
- 5 x RG174 coax to SMA (3metres)
- Impedance 50ohm
- Operating Temp  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- RoHs Compliant

### GPS&GLONASS

- 1575.42-1610MHz
- VSWR <2.0
- Polarization: RCHP
- Gain 28+/-2dB
- Noise <1.5dB
- Supply 3-5Vdc
- <15mA Consumption

### LTE Antenna MIMO

- 698-960 / 1710-2690MHz
- VSWR <3.0
- Polarization: Linear
- Gain +3dBi

### WiFi Antenna MIMO

- 2400-2483.5 / 4900-5825MHz
- VSWR <2.5
- Polarization: Linear
- Gain +2dBi



### Applications

- GPS Applications
- 4G / LTE GSM Applications
- Wifi

### Description

A Rugged antenna for demanding applications. This antenna provides operation at Multi Frequencies for MIMO Applications. Housed in a rugged low profile ABS, it is IP67 (apart from the cable entry hole) and UV protected.

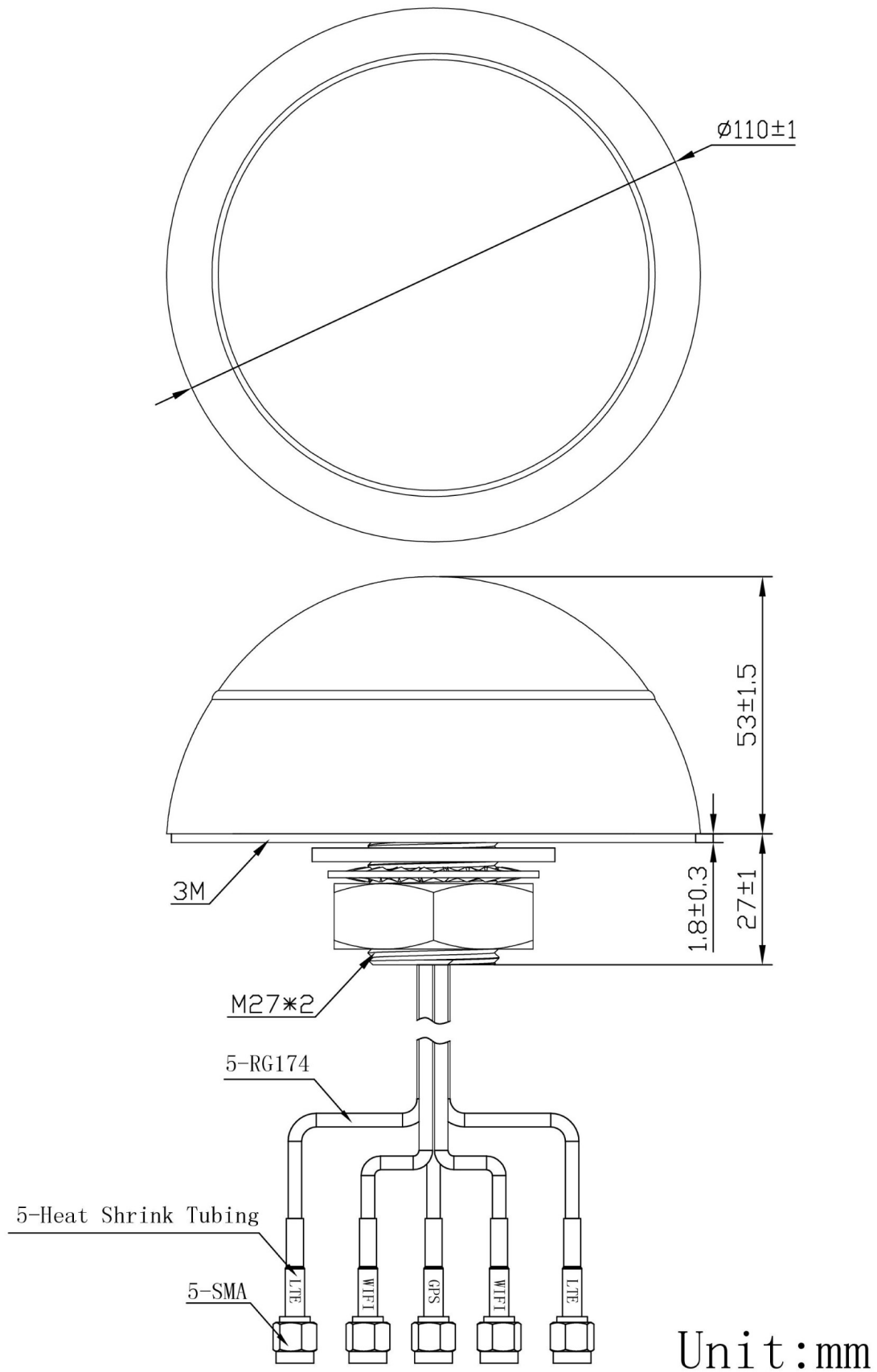
| Part No       | Description   |
|---------------|---|
| ANT-M5PUK-SMA | Multi Frequency PUK antenna with SMA Male Connector |



# ANT-M5PUK

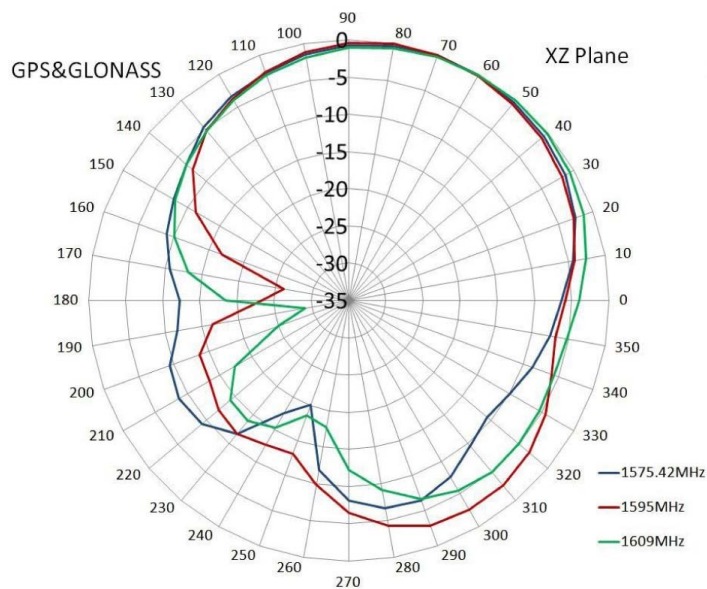
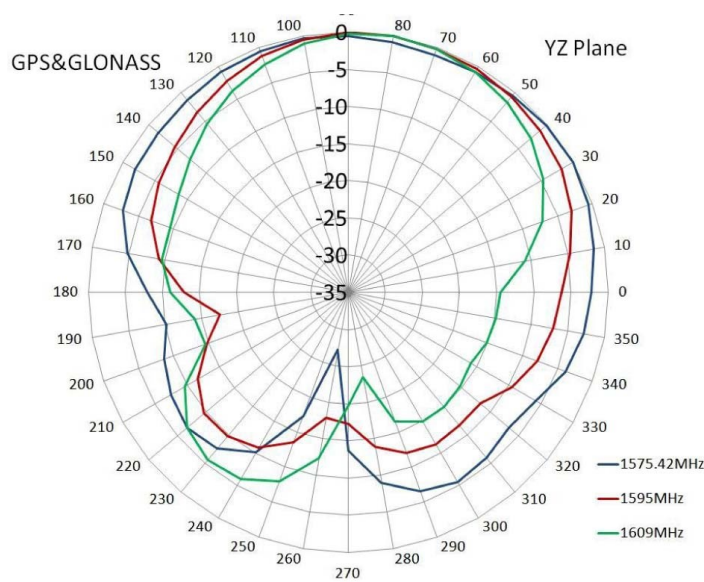
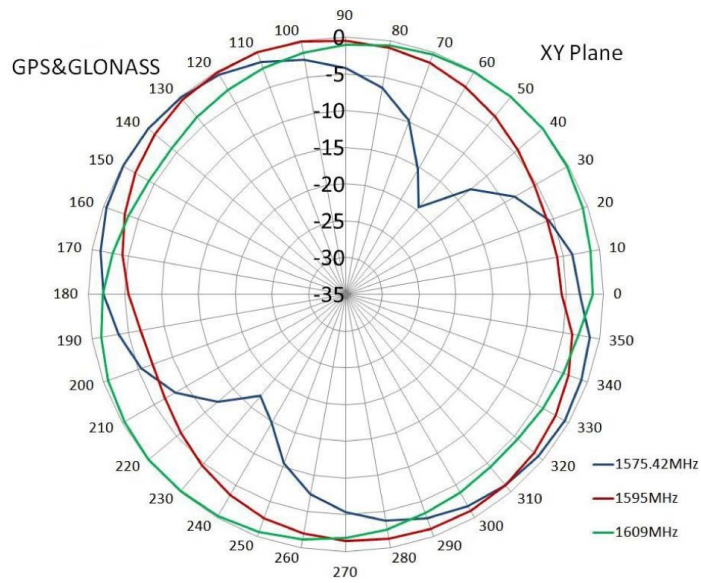


## Mechanical Drawing

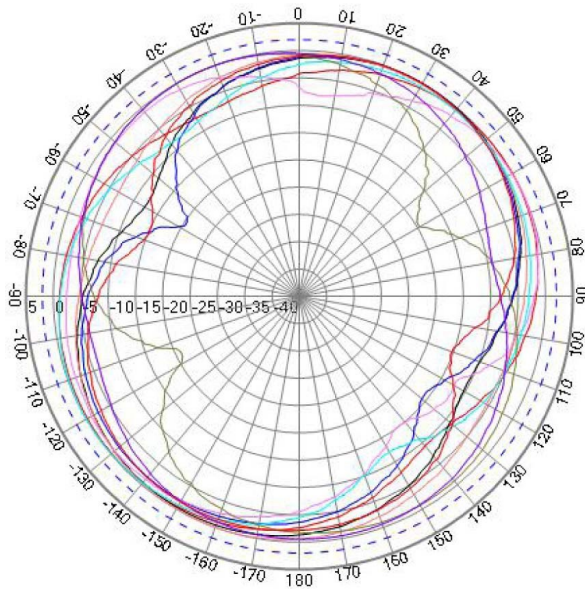


Unit:mm

## GPS Performance Data

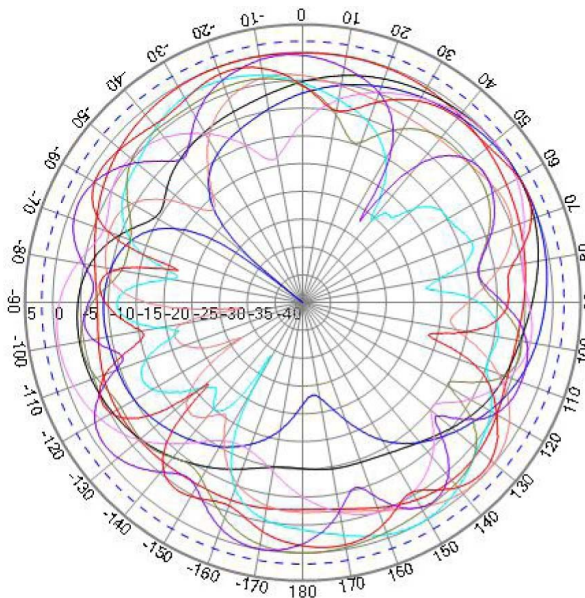


## LTE Performance Data



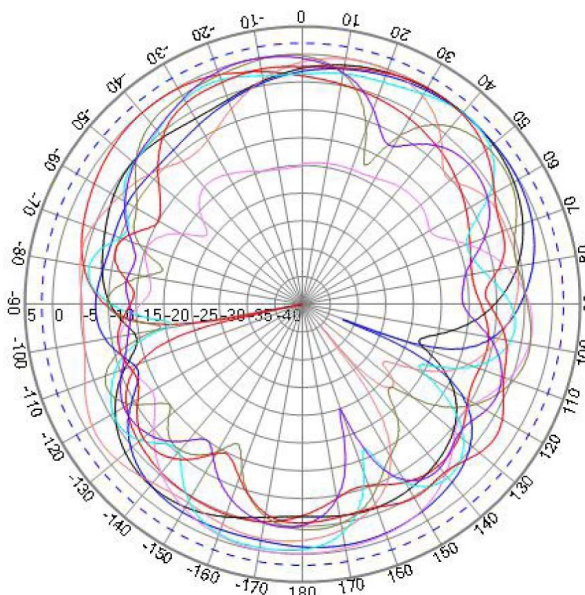
XY PLANE

- 测试频率: 700
- 测试频率: 824
- 测试频率: 868
- 测试频率: 960
- 测试频率: 1710
- 测试频率: 1850
- 测试频率: 1990
- 测试频率: 2170
- 测试频率: 2690



YZ PLANE

- 测试频率: 700
- 测试频率: 824
- 测试频率: 868
- 测试频率: 960
- 测试频率: 1710
- 测试频率: 1850
- 测试频率: 1990
- 测试频率: 2170
- 测试频率: 2690

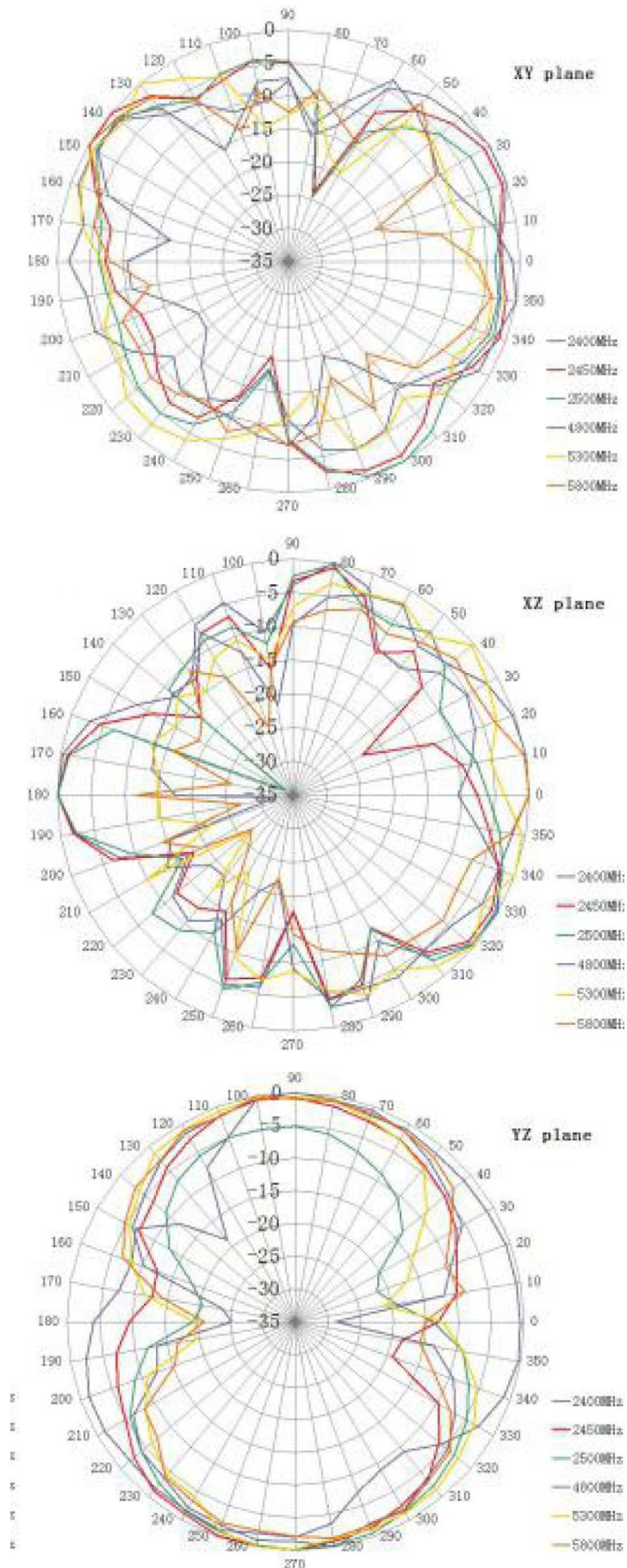


XZ PLANE

- 测试频率: 700
- 测试频率: 824
- 测试频率: 868
- 测试频率: 960
- 测试频率: 1710
- 测试频率: 1850
- 测试频率: 1990
- 测试频率: 2170
- 测试频率: 2690



## WiFi Performance Data



RF Solutions Ltd. Recycling Notice  
Meets the following EC Directives:

DO NOT  
Discard with normal waste, please recycle.

ROHS Directive 2002/95/EC  
Specifies certain limits for hazardous substances.

WEEE Directive 2002/96/EC  
Waste electrical & electronic equipment. This product  
must be disposed of through a licensed WEEE collection point.  
by membership of an approved compliance scheme.

Waste Batteries and Accumulators  
Directive 2006/66/EC

Where batteries are fitted, before recycling the  
product, the batteries must be  
removed and disposed of at a licensed  
collection point.

Environment Agency producer registration  
number: WEE/JB0104WV.

RF Solutions Ltd., fulfills its WEEE obligations

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