

915MHz 6dBi Omni Directional Outdoor Antenna



| Applications: | | Features: | |
|--|----------------|---|----------------------------|
| <ul style="list-style-type: none">• 902MHz - 928MHz Frequency Band• LoRa US915• Point to Point Bridge• Public Wireless Hotspot• Wireless Video Systems | | <ul style="list-style-type: none">• Superior performance• Lightweight• Good appearance design• DC Short lightning protection• Includes tilt and swivel mast mount brackets• RoHS Compliant | |
| Model: | AS915M06NF1095 | -3dB Beamwidth: | Horz. 360 deg Vert. 18 deg |
| Dimension: | 1095x70x50mm | Nett. Weight: | 596.90gm |
| Connector: | N-Female | Frequency: | 902MHz-928MHz |
| Styling: | Dipole Array | Polarization: | Vertical |
| Gain: | 6dBi | Max. Power: | 50W |

Electrical Specifications:

| | |
|----------------------------|---|
| Frequency Range | 902MHz to 928MHz |
| V.S.W.R (MAX) | 915MHz: 1.5 :1 902MHz and 928MHz: <2.0 |
| Antenna Type | Collinear |
| Radiation | Omni Directional |
| Gain (MAX) | 6 dBi |
| Antenna Factor | 24 dB/m |
| Polarization | Vertical |
| Maximum Power | 50 Watts |
| Vertical Beamwidth (AVG) | 18 deg |
| Horizontal Beamwidth (AVG) | 360 deg |
| Impedance | 50 Ohm |
| Antenna Design | Dipole array |
| Internal Material | Copper |
| Connector | N-Female |

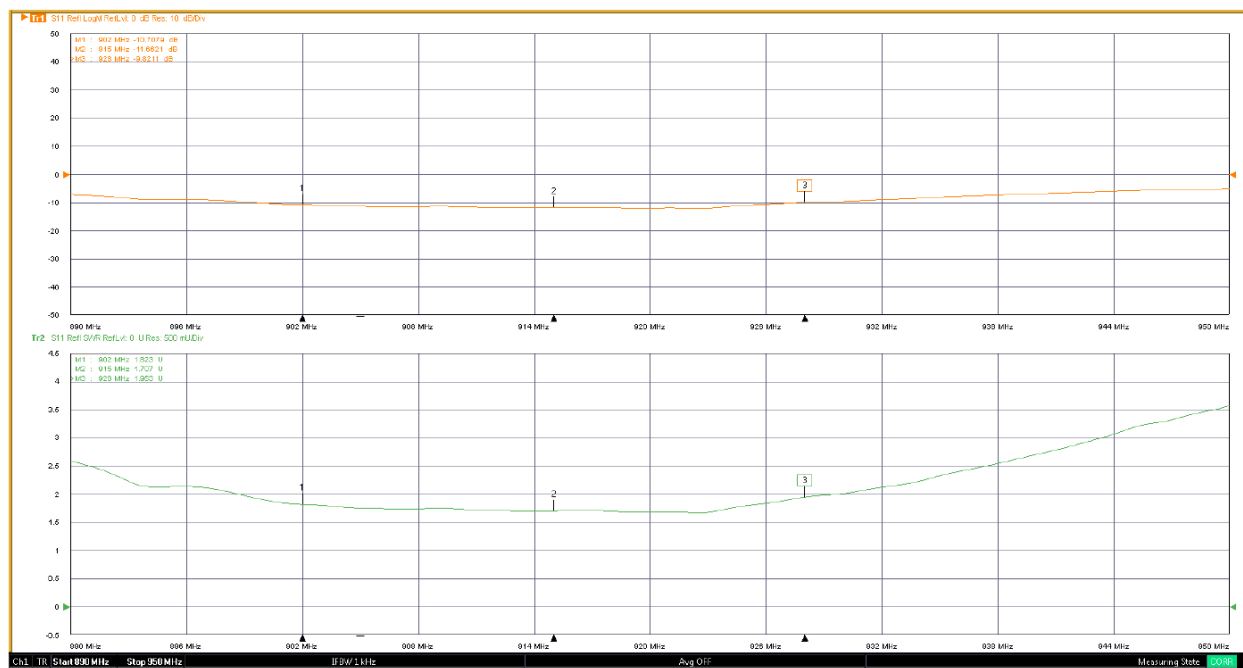
Mechanical Specifications:

| | |
|----------------------------|--------------------------|
| Length | 1095+/-5 mm |
| W x H | 70 x 50 mm |
| Antenna Weight (N.W) | 596.90gm |
| Accessories (N.W) | 70 gm |
| Application | Indoor / Outdoor |
| Radome Material | White Fiberglass |
| Mount Style | Pole Mount / Wall Mount |
| Parts Material | Aluminum |
| Mounting | Stainless Steel |
| Wind Survival | Greater than 150MPH |
| Storage Temperature | -20 to +80 |
| Operating Temperature | -20 to +60 |
| Operating Humidity | 10% ~ 80% non-condensing |
| Storage Humidity | 5% ~ 80% non-condensing |
| Safety, Emission and other | CE, FCC, RoHS |

Network Analyzer Test Report:

| | |
|----------------------|---------------------------------------|
| Test Equipment | Agilent 8720ET 50MHz - 20.5GHz |
| Test Equipment Cable | Agilent 60cm SMA female to SMA male |
| RF connector Adapter | Agilent SMA-Female to N-Male DC~18GHz |
| Correction | 85052D – DC - 26.5GHz |
| Test Model | AS915M06NF1095 |
| Test Port | S11 |

V. S.W.R

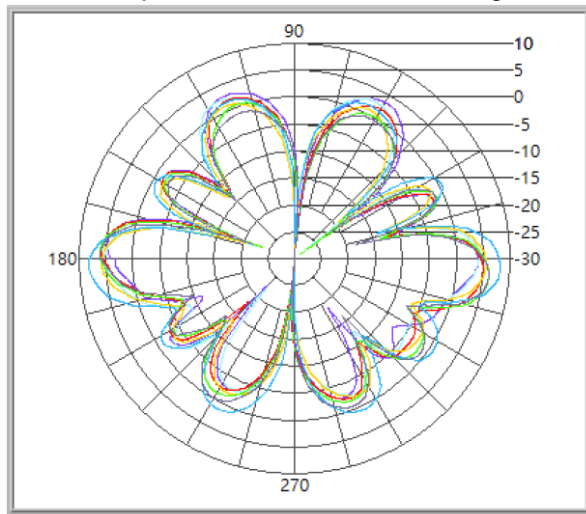


RF Chamber Test Report

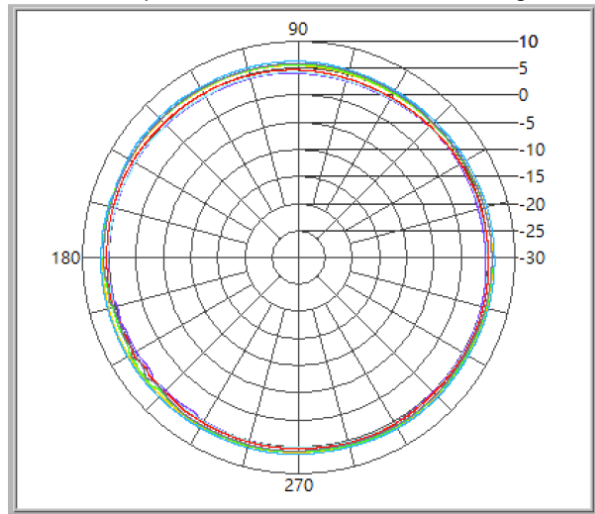
| | |
|----------------|--------------------------------|
| Test Equipment | Agilent 8720ET 50MHz - 20.5GHz |
| Chamber | 14M(L) X 7M(D) X 7M(H) |
| Test Frequency | 902MHz - 928MHz |
| Test Antenna | FT-RF HA-07M18G-NF |

Vertical Pattern

E-Plane co-pol ----3dB Beamwidth = 18deg

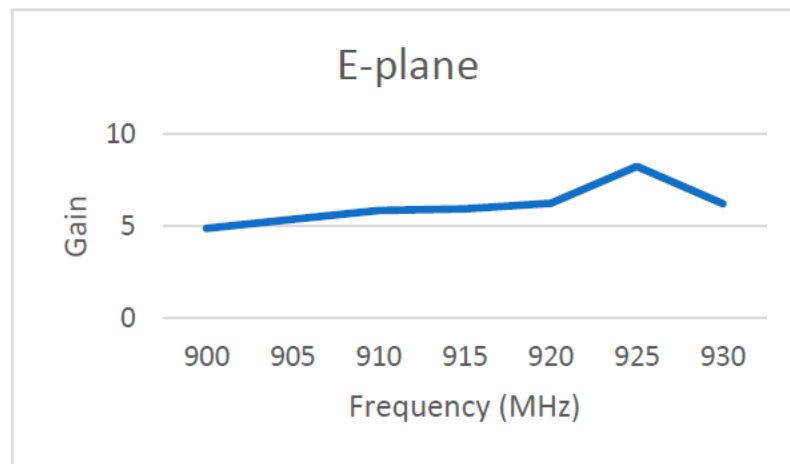
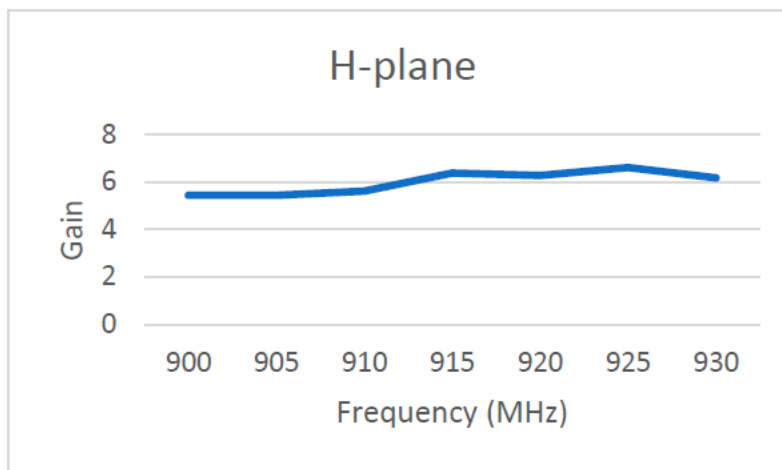
**Horizontal Pattern**

H-Plane co-pol ----3dB Beamwidth = 360deg



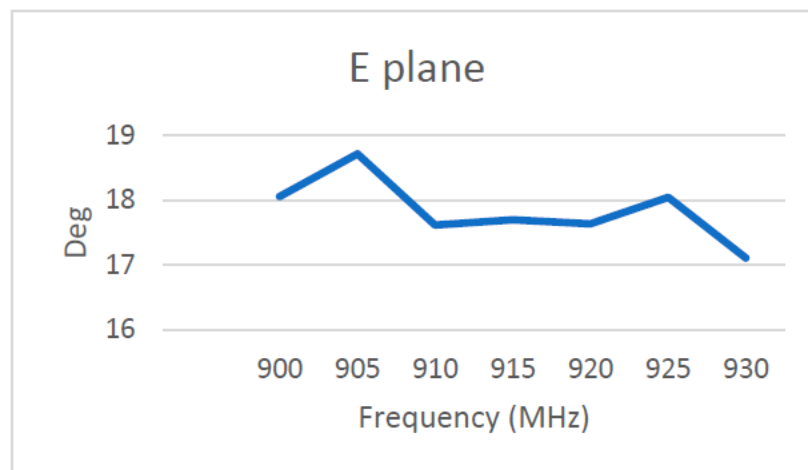
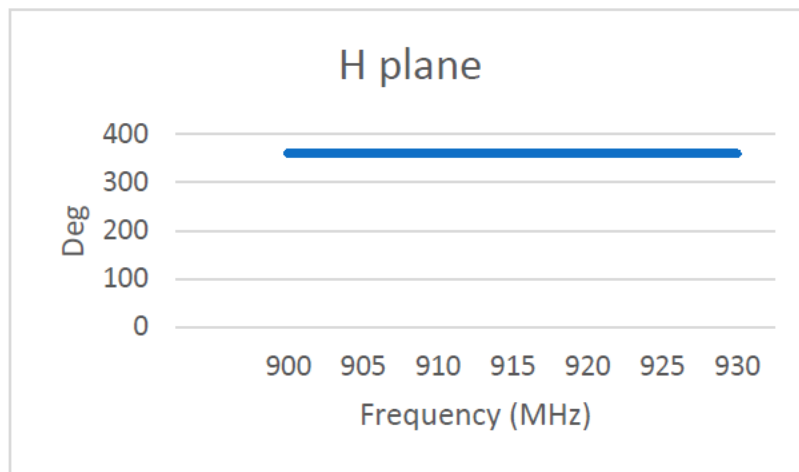
Antenna Gain Curve

| Frequency (MHz) | H-Plane (dBi) | E-Plane (dBi) |
|-----------------|---------------|---------------|
| 900 MHz | 5.45 | 4.88 |
| 905 MHz | 5.45 | 5.38 |
| 910 MHz | 5.62 | 5.86 |
| 915 MHz | 6.38 | 5.93 |
| 920 MHz | 6.28 | 6.25 |
| 925 MHz | 6.62 | 8.25 |
| 930 MHz | 6.19 | 6.22 |
| AVG | 5.99 | 6.11 |

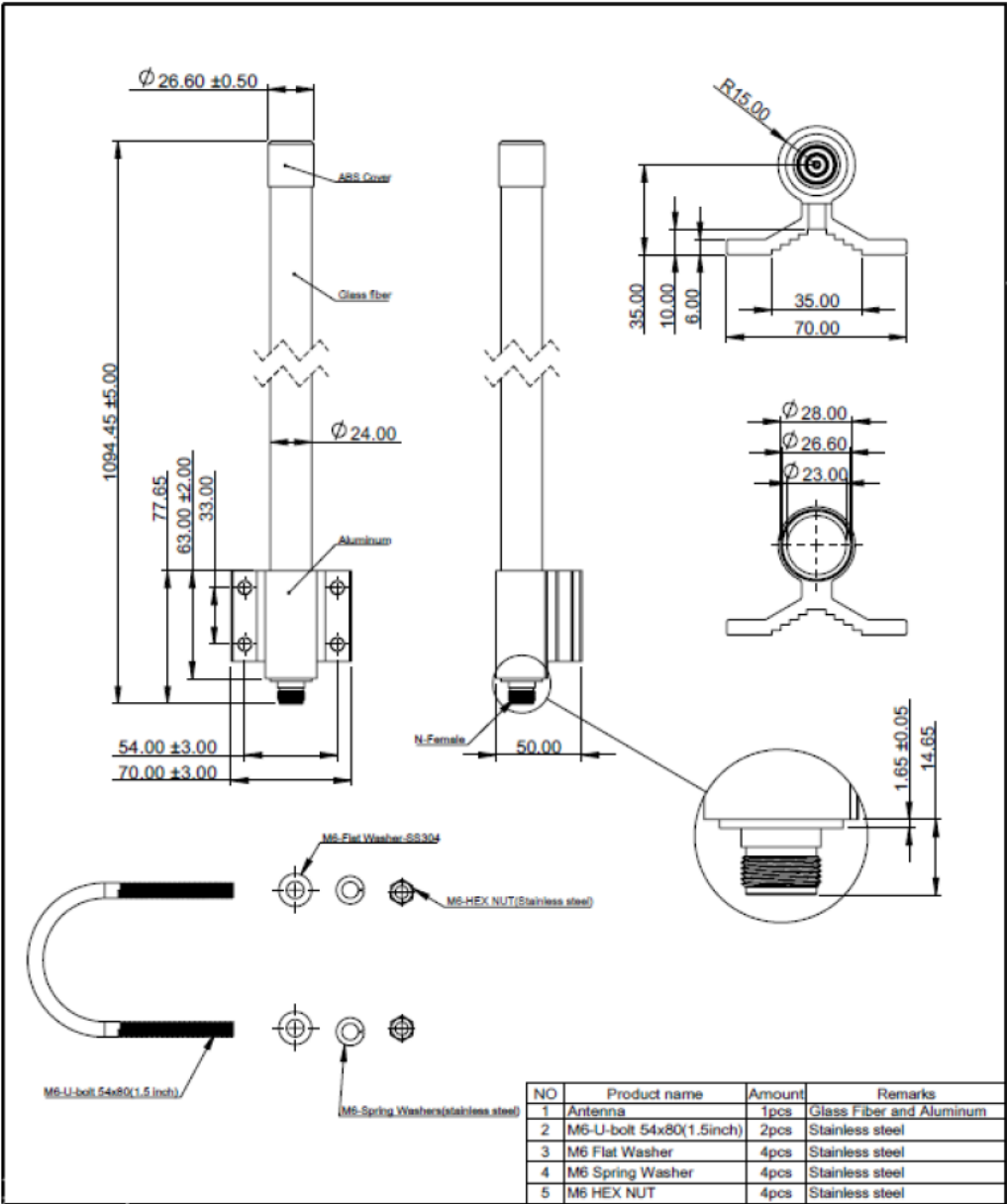


Antenna -3db Beamwidth Curve

| Frequency (MHz) | H-plane (deg) | E-plane (deg) |
|-----------------|---------------|---------------|
| 900 MHz | 360 | 18.06 |
| 905 MHz | 360 | 18.72 |
| 910 MHz | 360 | 17.62 |
| 915 MHz | 360 | 17.7 |
| 920 MHz | 360 | 17.64 |
| 925 MHz | 360 | 18.05 |
| 930 MHz | 360 | 17.11 |
| AVG | 360 | 17.84 |



Antenna Dimension



Packing List

| | | |
|--|----------------------|---|
|  | 1 Carton quantity | 10 pcs |
| | 1 set of accessories | M6-U-Bolt & washer, nuts |
| | | Paper tube |
| | | Waterproof tape |
| | Carton dimension | 1165*398*177mm |
| | N. W | 6 KG |
| G. W | | 12 KG |
| Carton Label (100x150mm) | | Antenna Label (10x30mm) |
|  | |  |

RoHs and WEEE Status (RoHs and WEEE Compliance)

Certificate of Compliance

Date:

To Whom It May Concern

It is hereby certified that product:

| Model | Product |
|----------------|--|
| AS915M06NF1095 | 902MHz to 928MHz 6dBi Omni Directional Outdoor Antenna |

Is in conformance with the requirements of the European RoHS Directive 2011/65/EU and the European WEEE Directive 2012/19/EU, all materials referenced therein are in concentrations below the maximum allowable levels specified. Products manufactured bear the CE marking and have FCC certificate. It has been assessed and found to be in accordance with the requirements of ISO 14001:2015 and ISO 9001:2015 standards, scope of Design and Manufacture of Antenna.

Our statements in this letter regarding RoHS and WEEE compliance do not extend to, or apply to any product subjected to unintended contamination, misuse, neglect, accident, improper installation, or to use in violation of instructions furnished by manufacturer.

The information contained in this letter is being provided for informational purposes only and to clarify certain information concerning the products. Nothing provided in this letter is:

- (1) a representation, warranty, or agreement and indemnification by manufacturer.
- (2) a statement which may form the basis of reliance by manufacturer.
- (3) a modification of any of the terms and conditions of sale agreed to in writing between manufacturer and its customers with respect to any of these products, whether previously sold or to be sold in the future.