

915MHz 6dBi Omni Directional Outdoor Antenna



Applications:

- 902MHz - 928MHz Frequency Band
- LoRa US915
- Point to Point Bridge
- Public Wireless Hotspot
- Wireless Video Systems

Features:

- Superior performance
- Lightweight
- Good appearance design
- DC Short lightning protection
- Includes tilt and swivel mast mount brackets
- RoHS Compliant

Model: AS915M06NF1095

LxWxH: 1095x70x50mm

Connector: N-Female

Styling: Dipole array

Gain: 6dBi

-3db Beamwidth: Horz. 360 deg Vert. 18 deg

N.W.: 596.9g

Frequency: 902MHz-928MHz

Polarization: Vertical

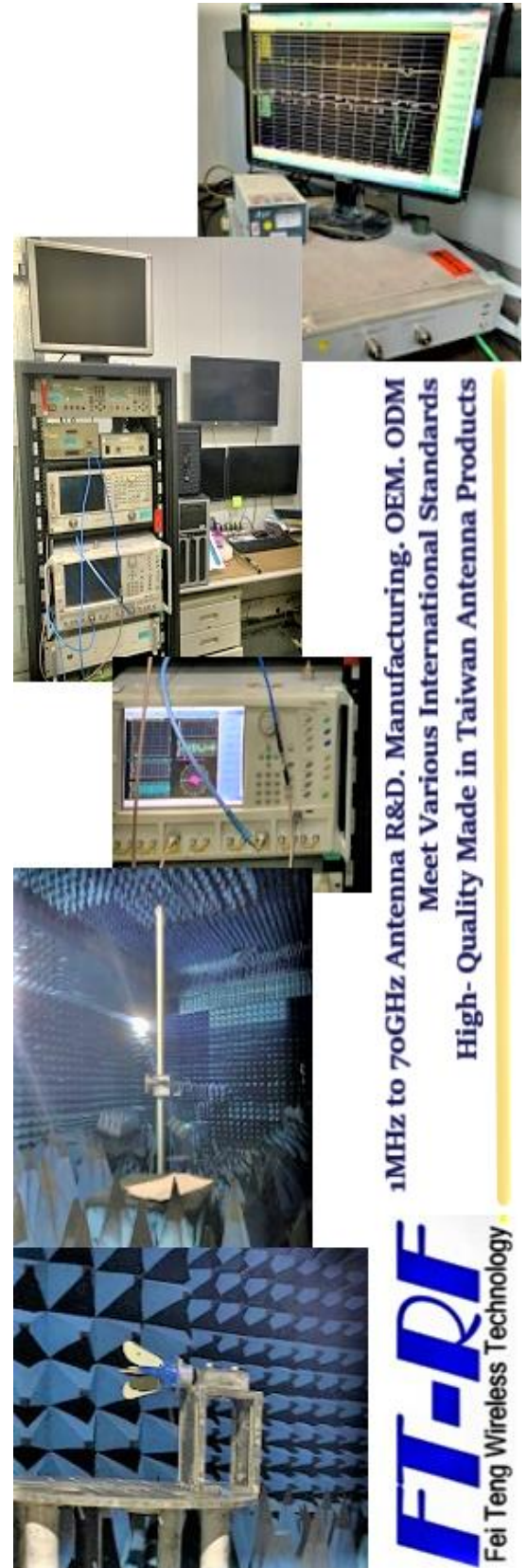
Max Power: 50W

Electrical Specifications

Frequency Range	902MHz-928MHz
V.S.W.R (MAX)	915MHz: 1.5 :1 902MHz and 928MHz: <2.0
Antenna Type	Collinear
Radiation	Omni Directional
Gain (Avg)	6 dBi
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	Cooper
Connector	N-Female

Mechanical Specifications

Length	1095±5mm
WxH	70x50mm
Antenna Weight (N.W)	596.90g
Accessories (N.W)	70g
Application	Indoor / Outdoor
Radome Material	White Fiberglass
Mount Style	Pole Mount/ Wall mount
Parts Material	Aluminum
Mounting	Stainless Steel and Aluminum
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

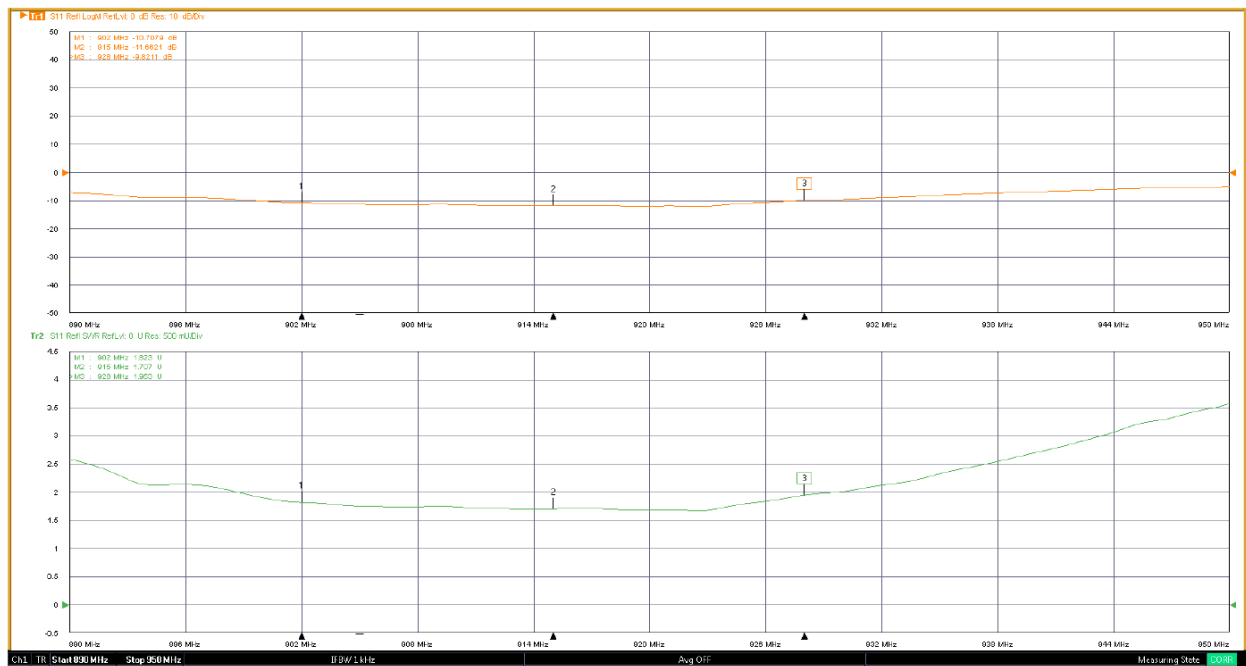


1MHz to 70GHz Antenna R&D. Manufacturing. OEM. ODM
Meet Various International Standards
High-Quality Made in Taiwan Antenna Products

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

Return loss & V.S.W.R

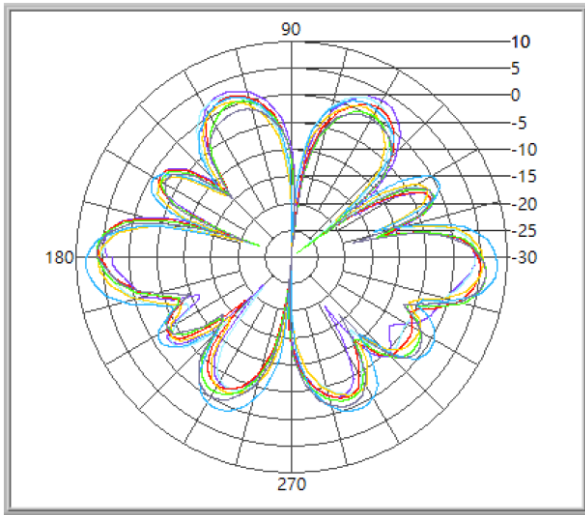


RF Chamber Test Report

Test Equipment	Agilent 8720ET 50MHz-20.5GHz
Chamber	7M(D) X 7M(H) X14M(L)
Test Frequency	902MHz - 928MHz
Than Antenna	FT-RF HA-07M18G-NF

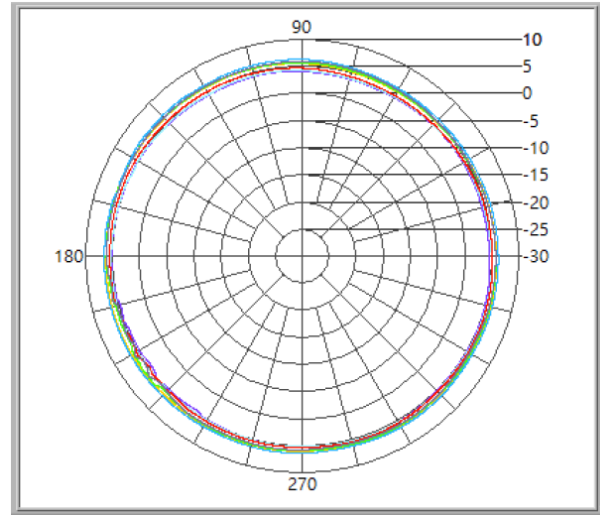
Vertical pattern

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



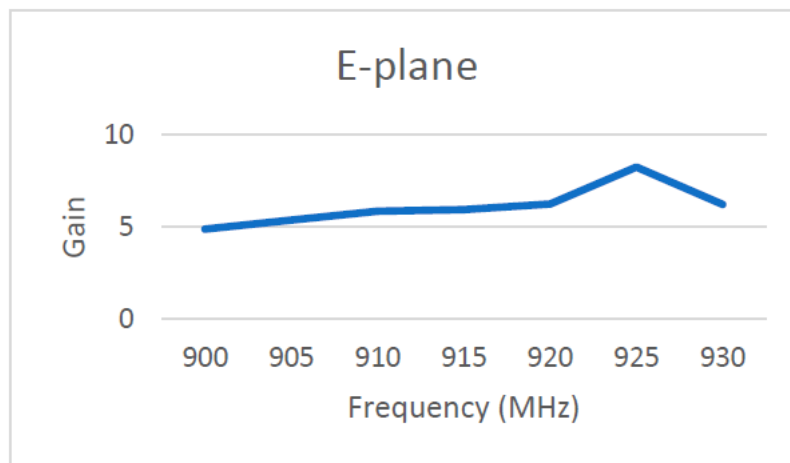
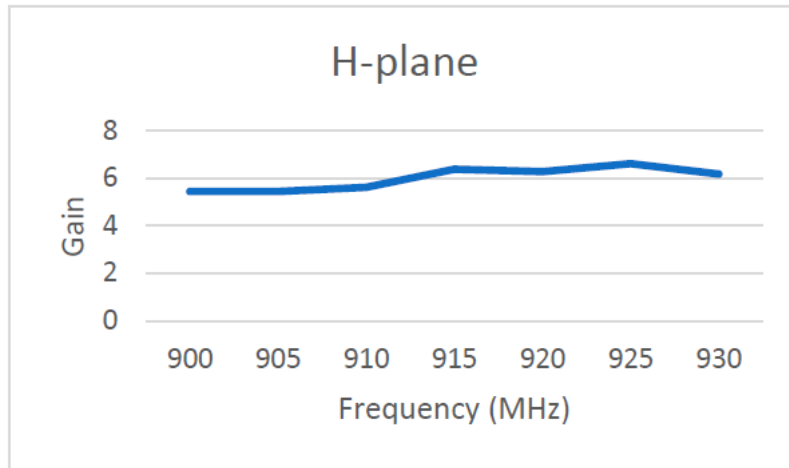
Horizontal Pattern

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



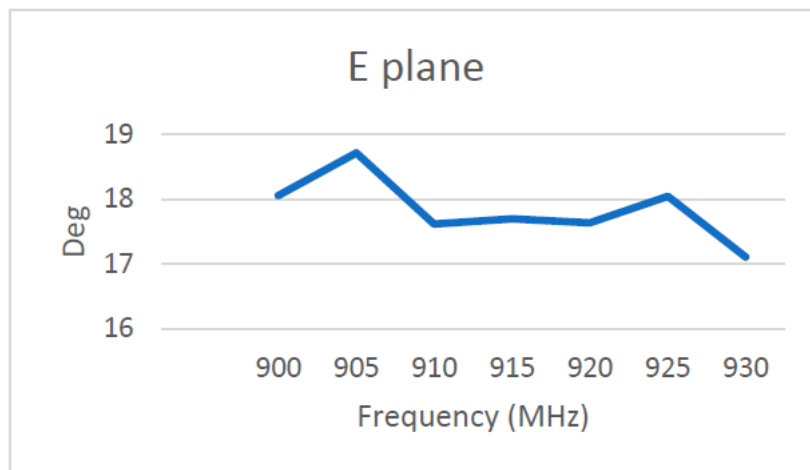
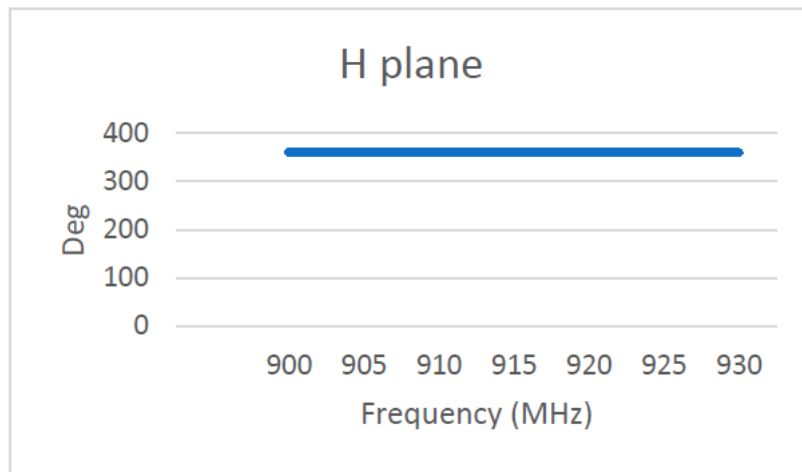
Antenna Gain

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

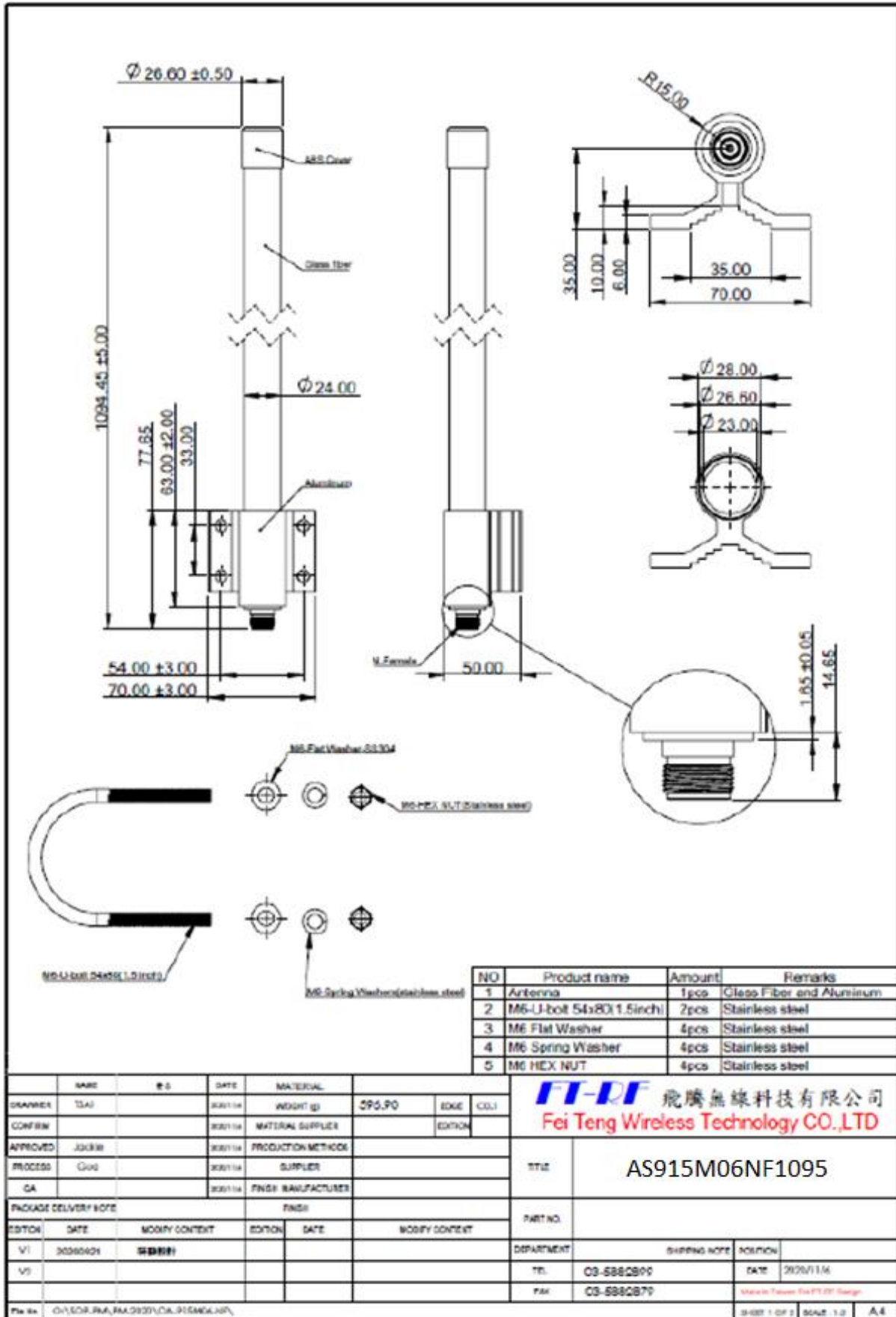


Antenna -3db Beamwidth Curve

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 & Label List

	Carton dimension	1165*398*177mm	
	1 set of accessories: M6-U-Bolt & washer, nuts Waterproof tape Paper tube		
	ITEM NO.	AS915M06NF1095	
	1 Carton quantity	10	PCS
	G. W.	12	KG
	N. W.	6	KG
CARTON			
Carton Label		Antenna Label	
Size	100 x 150 mm	Size	10 x 30 mm
Customer:	Manufacture Data: yy/mm/dd	AS915M06NF1095	
Customer Model:	AS915M06NF1095		
Order Number:			
Weight:	kg		
Carton:	Box		
Amount:	Pcs		
Paste Position		Paste Position	
			

RoHs and WEEE Status (RoHs and WEEE Compliance)

Certificate of Compliance

Date:

To Whom It May Concern

FT-RF hereby certifies that product:

Model	Product
AS915M06NF1095	915MHz 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 by FT-RF bear the CE marking and have FCC certificate. FT-RF 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 FT-RF.

Sincerely,

FT-RF (Fei Teng Wireless Technology CO., LTD)

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

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