

Customer	
Date	2014 / 11/ 20 (1 st released) 2016/ 08/ 30 (Amendment)
Product	OA-915M06-NF 902-928MHz 6dBi OMNI-Directional outdoor antenna
REV	1

FEI TENG WIRELESS TECHNOLOGY CO., LTD.

APPROVAL SHEET

Customer Approved By	Approve	Chief	Responsible

902MHz – 928MHz 6dBi Omni-Directional Outdoor Antenna



Applications:

- 902MHz-908MHz Band
- Public Wireless Hotspot
- Mobile, RFID,LTE,4G
- Wireless Video Systems

Features :

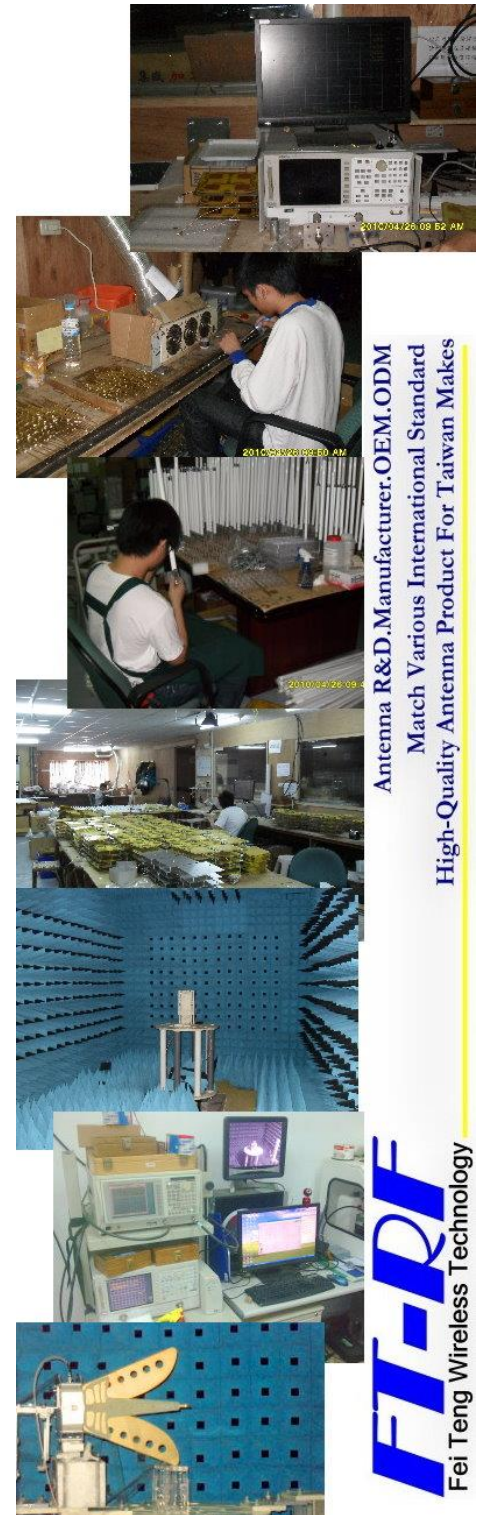
- Superior performance
- Light weight
- All weather operation
- DC Short lightning protection
- Installed for vertical
- Includes tilt and swivel mast mount
- In accordance with customer needs to change the color or features

Accessories



Electrical Specifications

Frequency Range	902MHz - 928MHz
V.S.W.R (AVG)	915MHz: 1.5 :1 902MHz and 928MHz: <2.0
Antenna Type	Collinear
Radiation	Omni Directional
Gain (AVG)	6dBi
Polarization	Vertical
Maximum Power	50 Watts
Vertical Beam-width	25 Deg
Horizontal Beam-width	360Deg
Impedance	50 Ohm
Antenna Design	Dipole Array
Internal Material	Copper
Connector	N-Female
Length (MAX)	1140mm
Diameter (MAX)	70 x 55mm
Antenna Weight (G.W)	760g
Accessories (G.W)	70g
Application	Indoor / Outdoor
Radome Material	White Fiberglass
Parts Material	Aluminum
Mount Style	Pole Mount / Well Mount
32 to 45mm Mounting	Stainless Steel
Wind Survival	Greater than 180MPH
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	RoHS



Antenna R&D.Manufacturer.OEM.ODM
Match Various International Standard
High-Quality Antenna Product For Taiwan Makes



Fei Teng Wireless Technology

Fei Teng Wireless Technology Corp.

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Hsinchu County302,Taiwan

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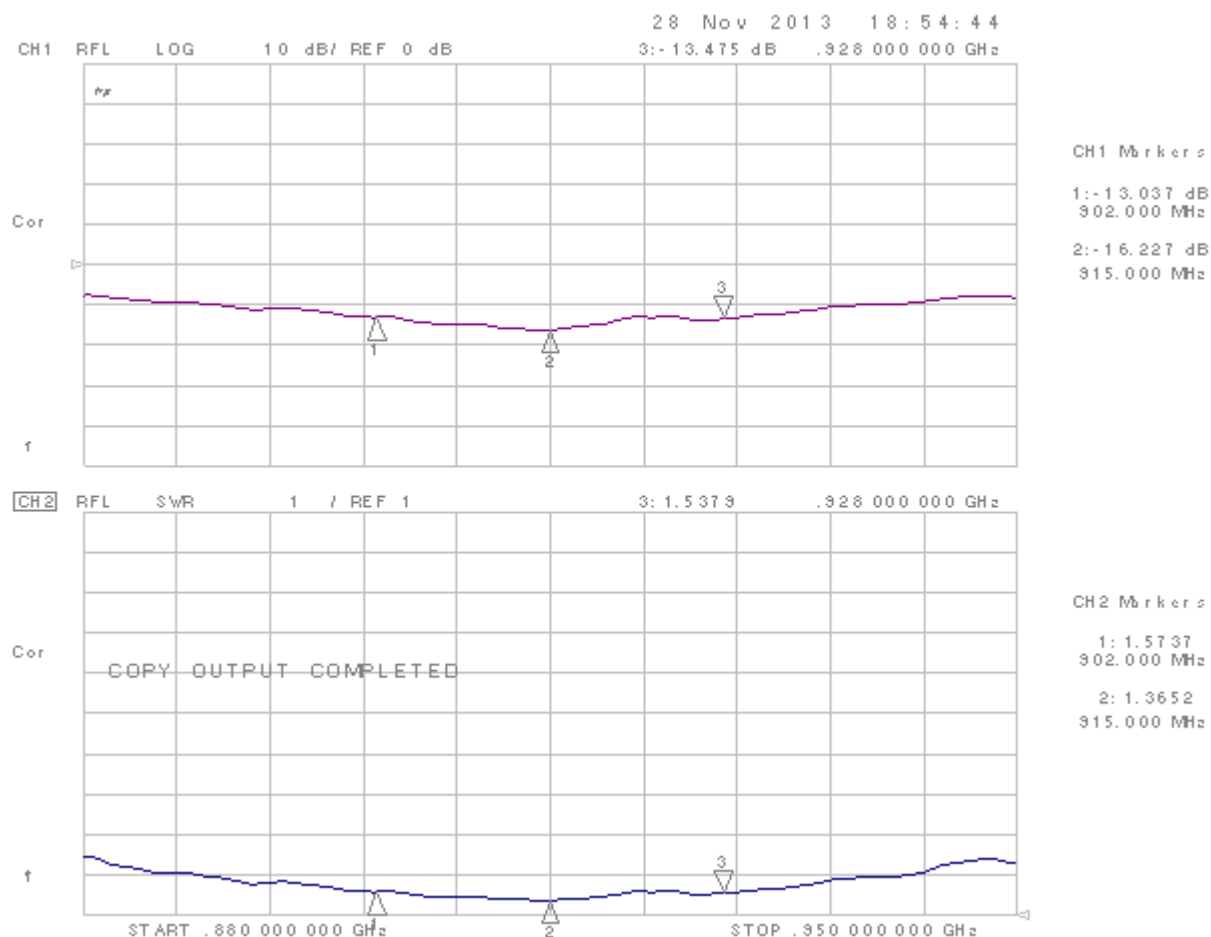
<http://www.FT-RF.com>

[e-mail:ft@ft168.com.tw](mailto:ft@ft168.com.tw)

Network Analyzer Test Report

Test Equipment	Agilent 8720ET 50MHz-20.5GHz
Test Equipment Cable	Agilent 60cm SMA Male to SMA Male
RF connector Adapter	Agilent SMA-Female to N-Male DC~18GHz
Correction	85052D-DC-26.5Ghz
Test Model	OA-915M06-NF
Test Port	S11

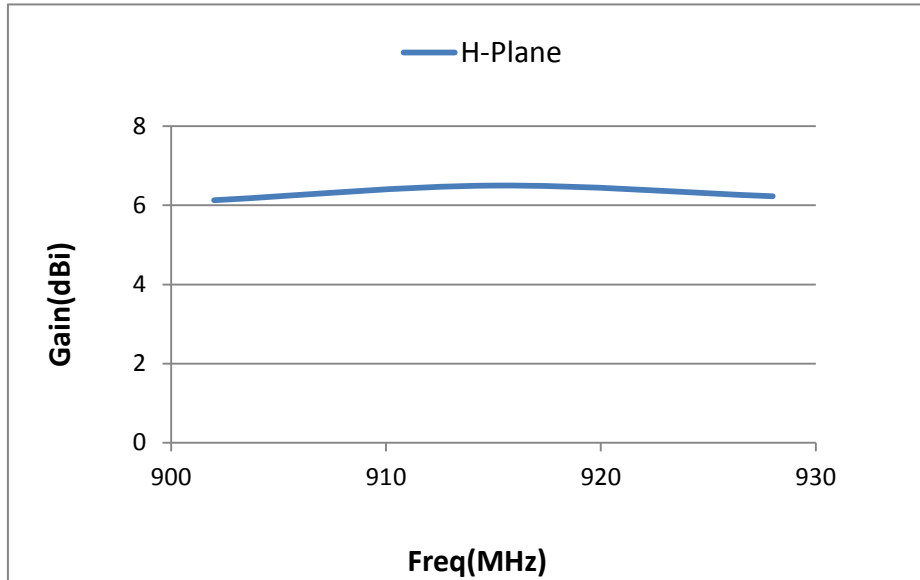
Return Loss & V.S.W.R



H-Plane

MHz	dBi
902	6.13
915	6.5
928	6.23

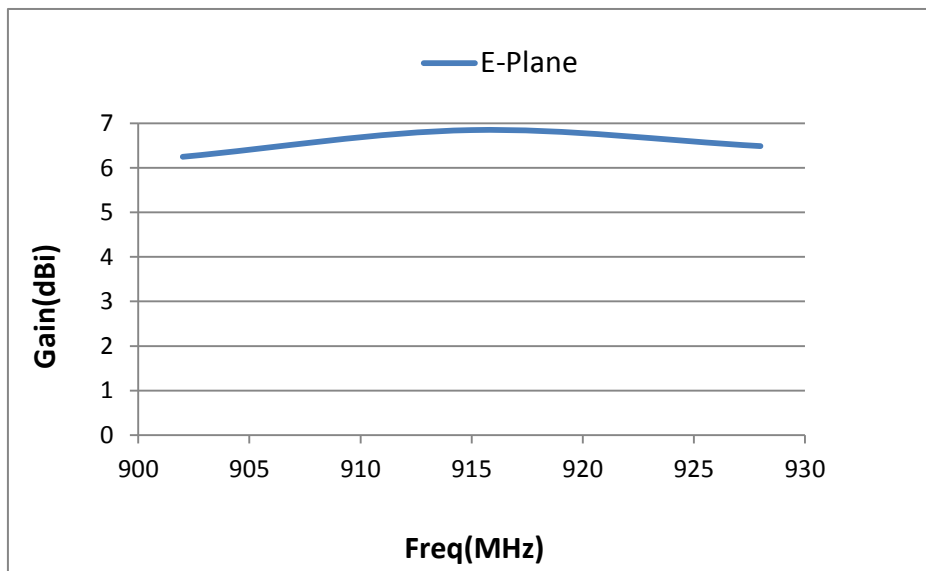
Average 6.29



E-Plane

MHz	dBi
902	6.25
915	6.85
928	6.49

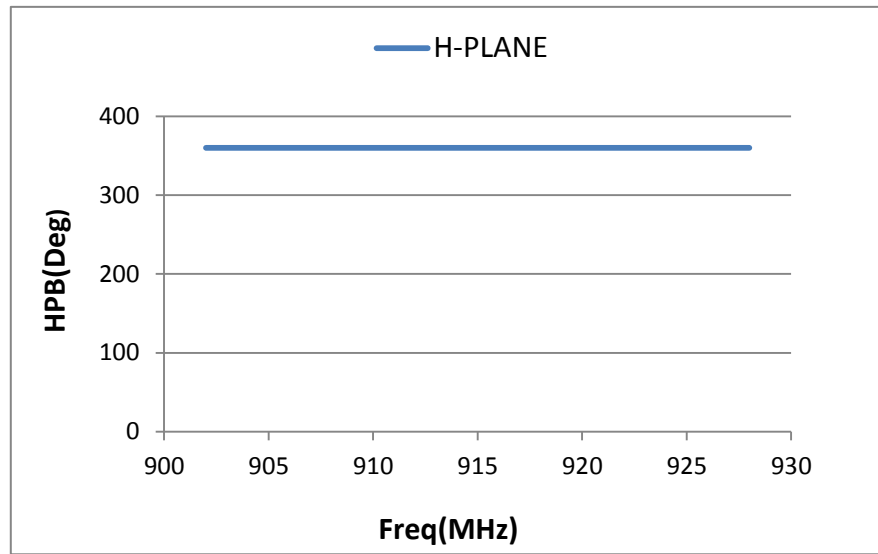
Average 6.53



Antenna -3dB Beam-width Curve

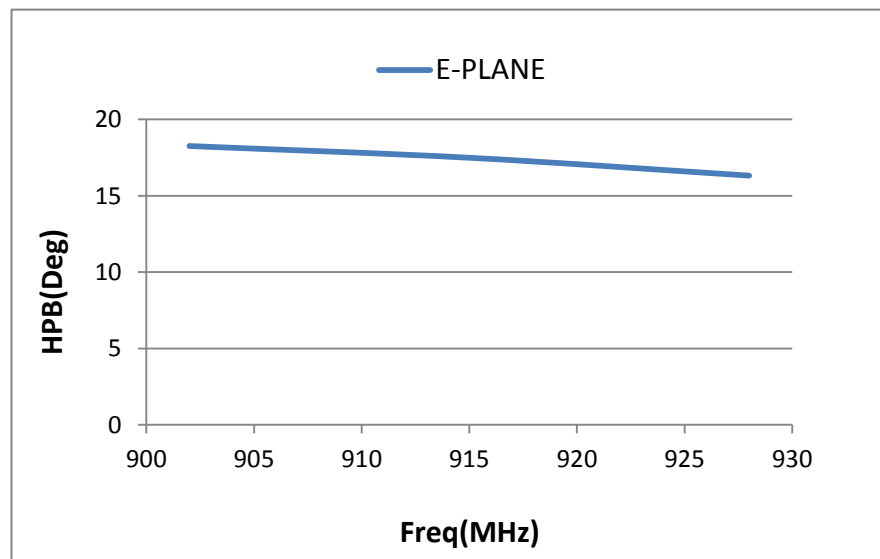
H-Plane

MHz	Deg
902	360
915	360
928	360
Average	360



E-Plane

MHz	Deg
902	18.26
915	17.49
928	16.32
Average	17.36



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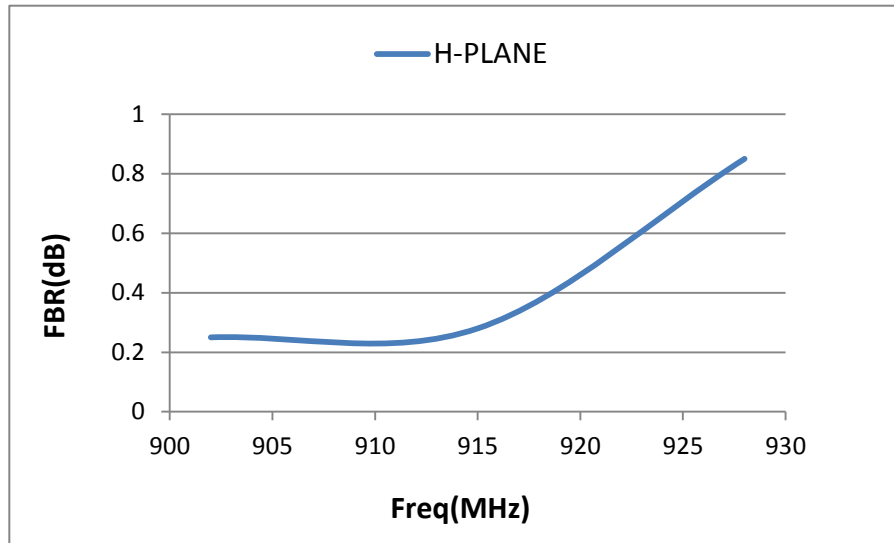
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Antenna FBR Curve

H-Plane

MHz	dB
902	0.25
915	0.28
928	0.85

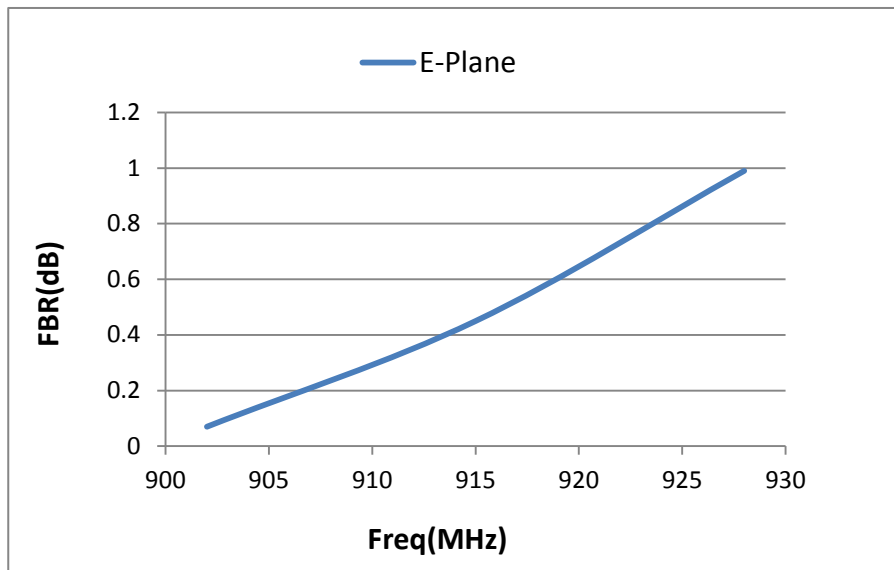
Average 0.46



E-Plane

MHz	dB
902	0.07
915	0.45
928	0.99

Average 0.50



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Model: OA-915M06-NF

Packing List & Label List

	1 Set Packing	1150x80x80mm
	Antenna · U-bolt · Water proof tape · Paper tube packing · Carton(10pcs)	
	ITEM NO.	OA-915M06-NF 10 set
	Q'TY	10 PCS
	G. W.	11.8 KG
	N. W.	7.1 KG
	CARTON	1165*398*177mm

Label List

1 set carton Label		Antenna Label	
Size	50x80mm(white)	Size	30x50mm(blue)
Customer:	Manufacture Data: yy/mm/dd	OA-915M06-NF 902-928MHz 6dBi Omni-Directional Outdoor Antenna	
Customer Mode:			
Order Number:			
Weight:	kg		
Carton:	Box		
Amount:	Pcs		
Paste Position		Paste Position	
			

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Model: OA-915M06-NF

RoHs Status(RoHs Compliant)

Certificate of Compliance

Date:

To:

FT-RF hereby certifies that product

Model	Product
OA-915M06-NF	902-928MHz 6dBi Omni-Directional Outdoor Antenna

Is in conformance with the requirements of the European RoHS Directive 2011/65/EU, and that all materials referenced therein are in concentrations below the maximum allowable levels specified.

Our statements in this letter regarding RoHS 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.