

Customer	
Date	2015 / 1 / 3
Product	UG-915M03-NF 902-928MHz 3dBi OMNI-Directional outdoor antenna
REV	1

Use Link Technologies CO. , LTD.

APPROVAL SHEET

Customer Approved By	Approve	Chief	Responsible

Model No. UG-915M3-NF

902MHz – 928MHz 3dBi 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



Model:OA-915M03-NF

Electrical Specifications

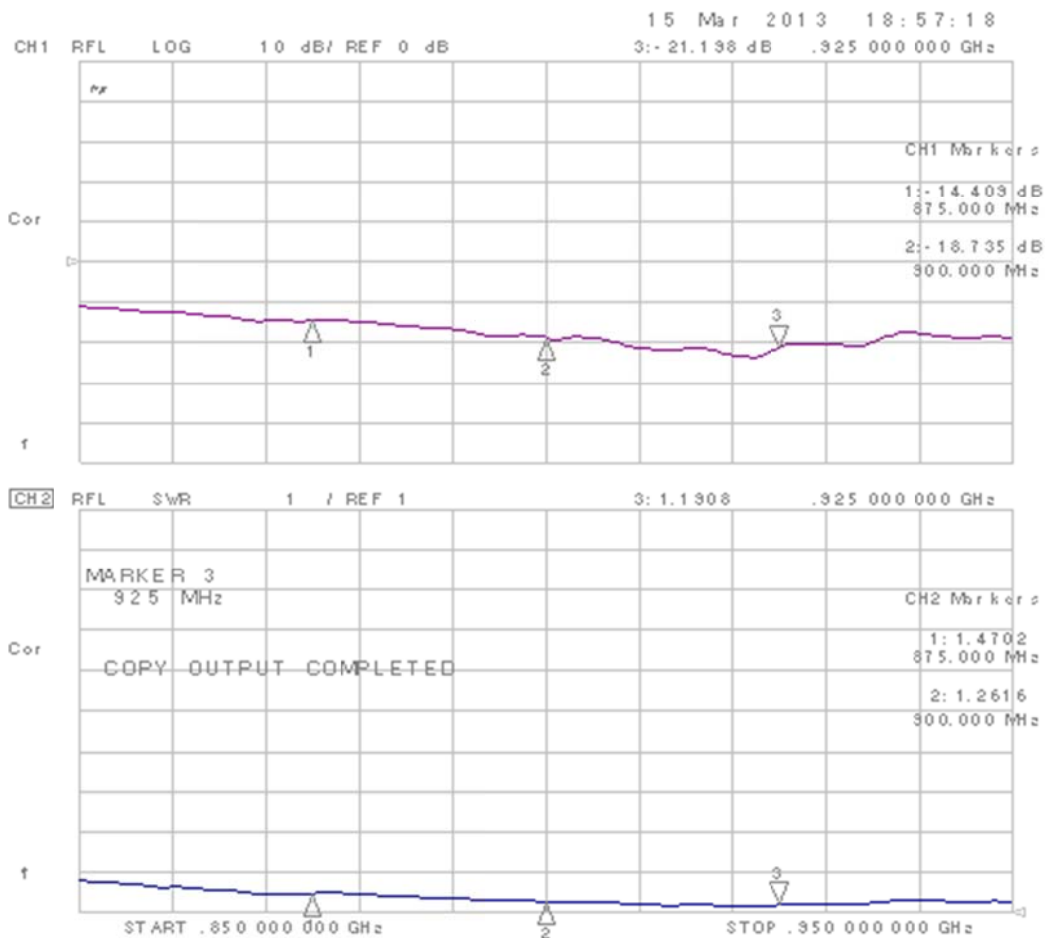
Frequency Range	902MHz - 928MHz
V.S.W.R (AVG)	1.5 :1
Antenna Type	Collinear
Gain (AVG)	3dBi
Polarization	Vertical
Maximum Power	50Watts
Vertical Beam-with	72Deg
Horizontal Beam-with	360Deg
Impedance	50 Ohm
Antenna Design	Dipole Array
Internal Material	Copper
Connector	N-Female

Length (MAX)	298mm
Diameter (MAX)	70 x 55mm
Antenna Weight (G.W)	260 g
Accessories (G.W)	35g
Application	Indoor / Outdoor
Radom Material	White Fiberglass
Pate Material	Aluminum
Mount Style	Pole Mount / Well Mount
32 to 45mm Mounting	Stainless Steel U-Type Screw
Wind Survival	Greater then 180MPH
Storage Temperature	-40 to +80
Operating Temperature	-40 to +66
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing
Safety,Emission and other	RoHS

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-915M03-NF
Test Port	S11

Return Loss & V.S.W.R



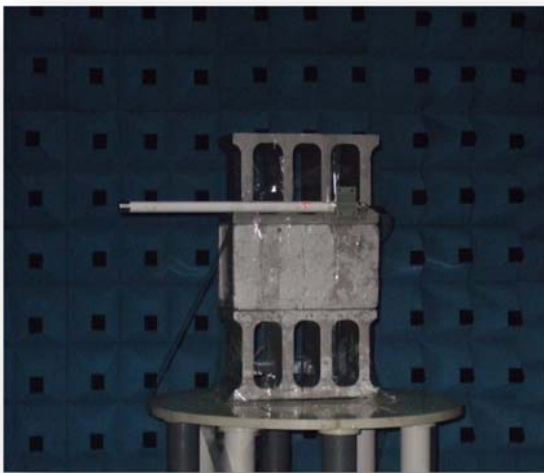
Use Link Technologies Co.,Ltd
 4FNo.495 Kwang FU S. Rd,
 Taipei Taiwan 11074.
 Tel:+886-2-27588816
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Model:OA-915M03-NF

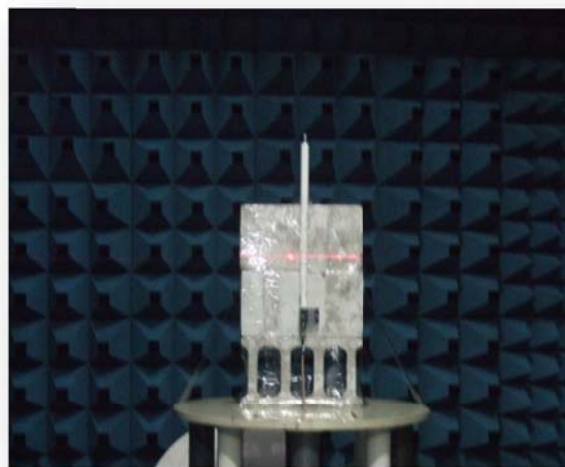
RF Chamber Test Report

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-08M18G-NF

Vertical Pattern Photos

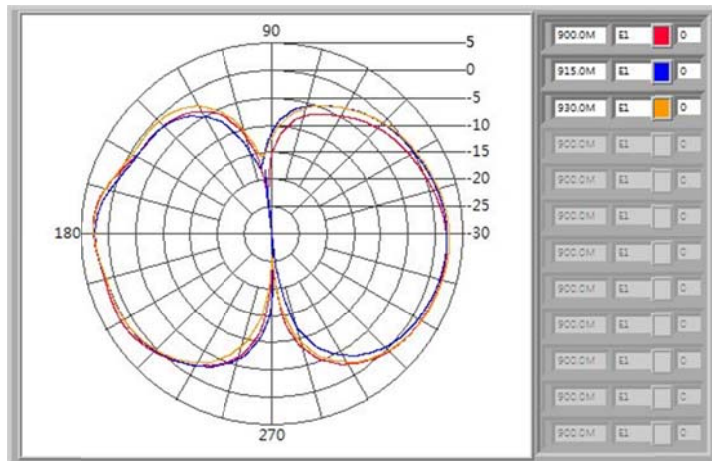


Horizontal Pattern Photos



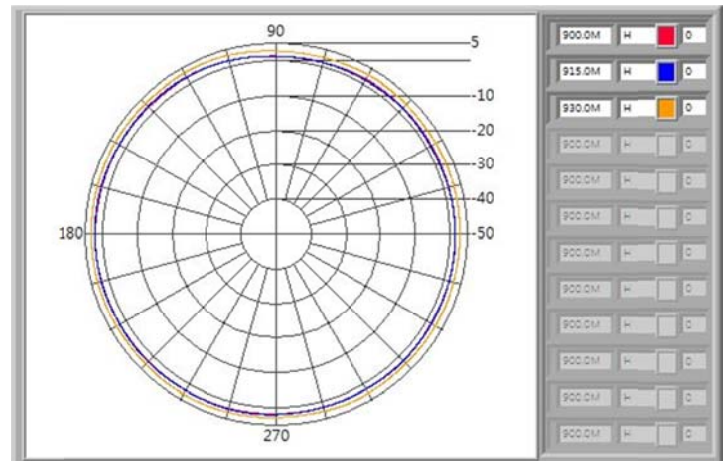
Vertical Pattern

E-plane co-pol ----- 3-dB beam-width=72Deg



Horizontal Pattern

H-plane co-pol ----- 3-dB beam-width=360Deg

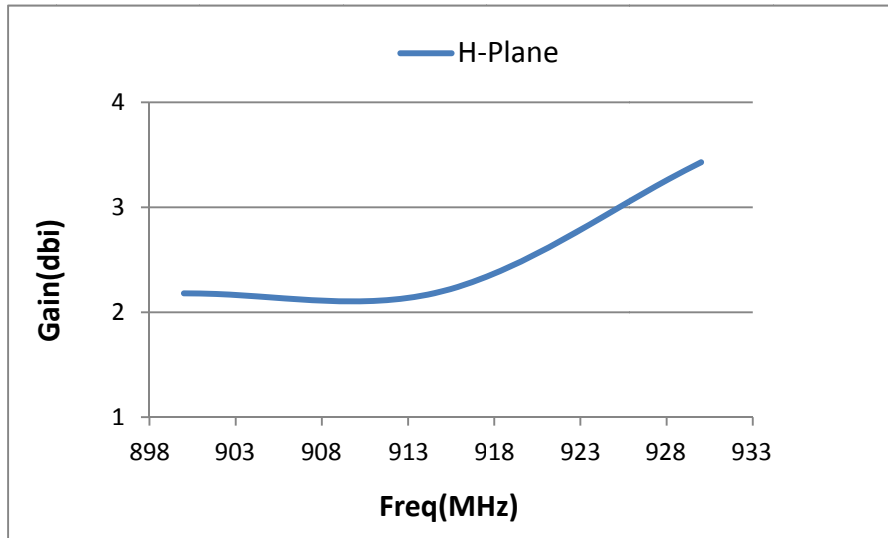


Model:OA-915M03-NF
Antenna Gain Curve

H-plane

MHz	dBi
900	2.18
915	2.2
930	3.43

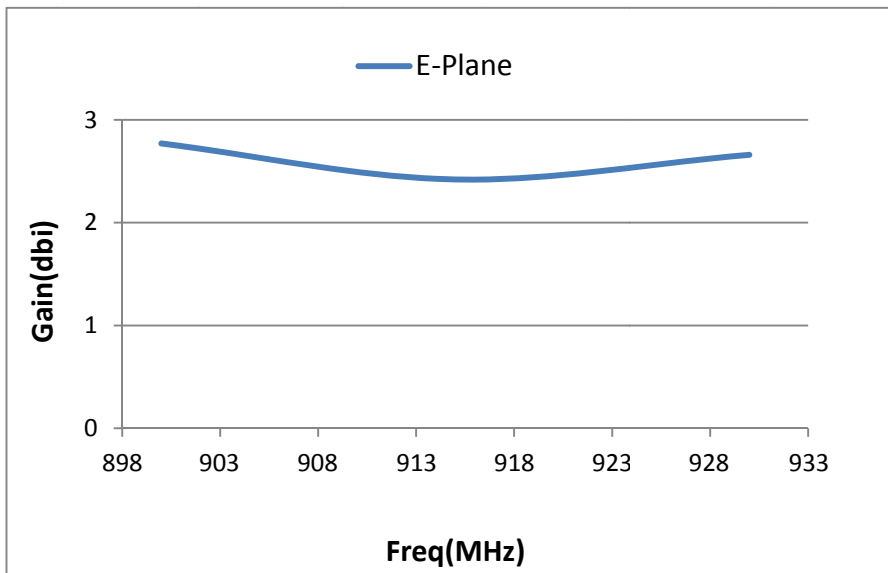
Average 2.6



E-Plane

MHz	dBi
900	2.77
915	2.42
930	2.66

Average 2.6



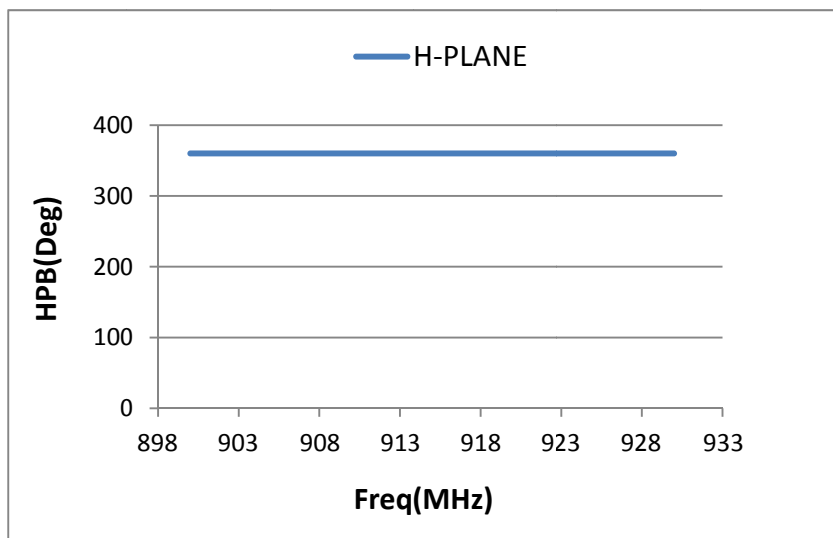
Model:OA-915M03-NF

Antenna -3dB Beam-width Curve

H-Plane

MHz	Deg
900	360
915	360
930	360

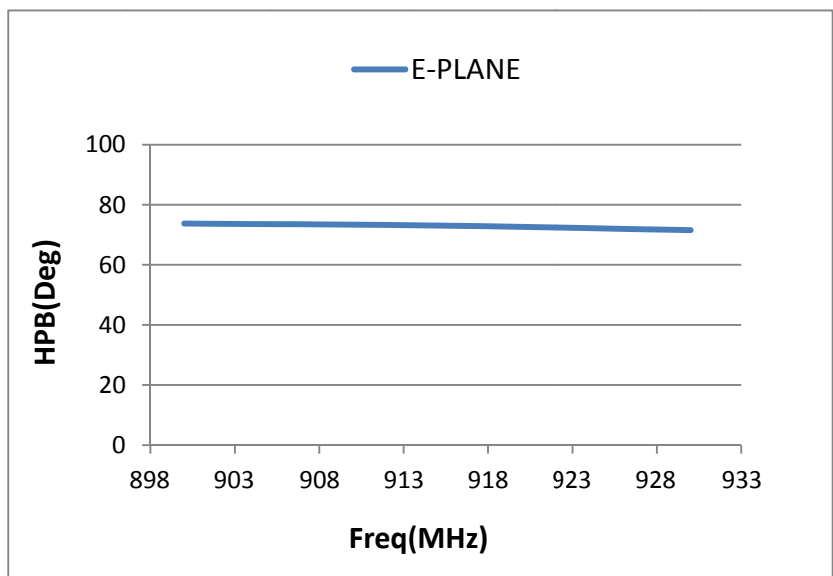
Average 360



E-Plane

MHz	Deg
900	73.74
915	73.11
930	71.54

Average 72.8



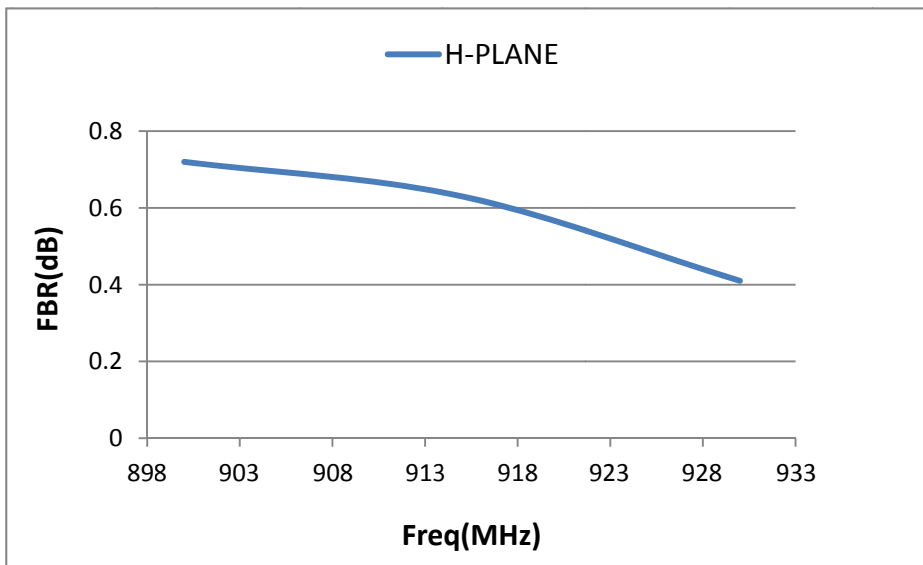
Model:OA-915M03-NF

Antenna FBR Curve

H-Plane

MHz	dB
900	0.72
915	0.63
930	0.41

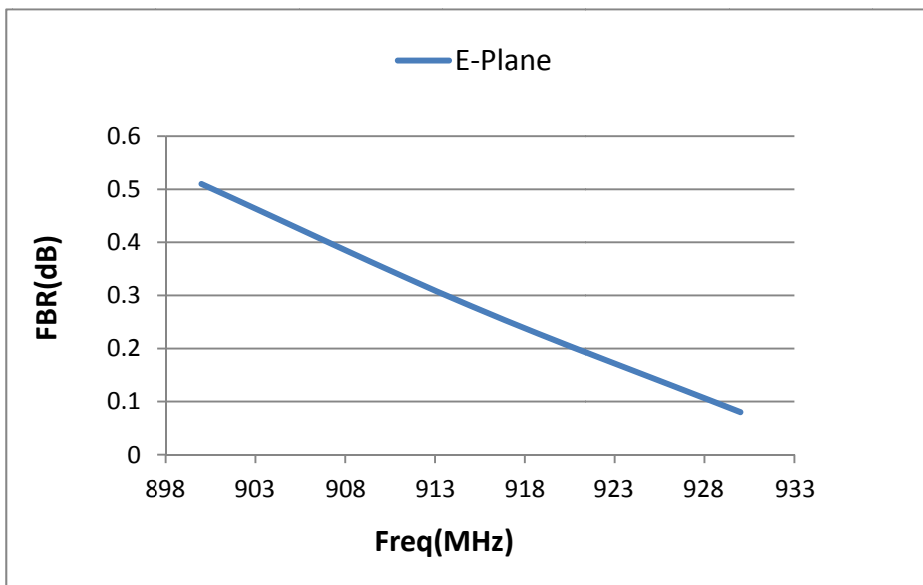
Average 0.59



E-Plane


MHz	dB
900	0.51
915	0.28
930	0.08

Average 0.29




Model: PA-915M03-NF

Packing List & Label List

	1 Set Packing	455x80x80mm
	Antenna · U-bolt · Water proof tape · Paper tube packing · Carton(10pcs)	
	ITEM NO.	OA-915M03-NF 10 set
	Q'TY	5 PCS
	G. W.	5.6 KG
	N. W.	2.6 KG
	CARTON	485*398*177mm

Label List

1 set carton Label		Antenna Label	
Size	50x80mm(white)	Size	30x50mm(blue)
Customer:	Manufacture Data: yy/mm/dd	OA-915M03-NF 902-928MHz 3dbi Omni-Directional Outdoor Antenna	
Customer Mode:			
Order Number:			
Weight:	kg		
Carton:	Box		
Amount:	Pcs		
Paste Position		Paste Position	
			

Model:OA-915M03-NF

RoHS Status(RoHS Compliant)

Certificate of Compliance

Date:

To:

Use Linkereby certifies that product

Model	Product
OA-915M03-NF	902-928MHz 3DBI 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 Use Link.