

DIH-915M08-NF
902MHz – 928MHz 8dBi
Circularly Polarized Panel-Directional
Outdoor Antenna

Specification

智能動感有限公司
中華民國一〇五年三月一日

Model : DIH-915M08-NF

外觀圖：



固定配件：



Applications:	Features :
<ul style="list-style-type: none">● 902MHz-908MHz Band● Directional and multipoint applications● Bluetooth● Public Wireless Hotspot● ETC, RFID● Wireless Video Systems Wireless Video Systems	<ul style="list-style-type: none">● 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
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Electrical Specifications

Frequency Range	902MHz - 928MHz
V.S.W.R (Avg)	1.3 :1
Antenna Type	Patch Type
Radiation	Directional
Gain (Avg)	8dBi
Polarization	Circularly Polarized
Maximum Power	15 Watts
Vertical Beam-width	57Deg
Horizontal Beam-width	68Deg
Impedance	50 Ohm
Antenna Design	One Patch
Internal Material	FR4(Taiwan)
Connector	N-Femalex2

Mechanical Specifications

Length x Width (MAX)	230x230mm
Diameter (MAX)	25mm
Antenna Weight (G.W)	450g
Accessories (G.W)	300g
Application	Indoor / Outdoor
Radome Material	White ABS+UV
Parts Material	Aluminum
Mount Style	Pole Mount
Mounting	Stainless Steel and Aluminum
Wind Survival	Greater than 150MPH
Storage Temperature	-40 to +80
Operating Temperature	-40 to +60
Operating Humidity	10%~90% non-condensing

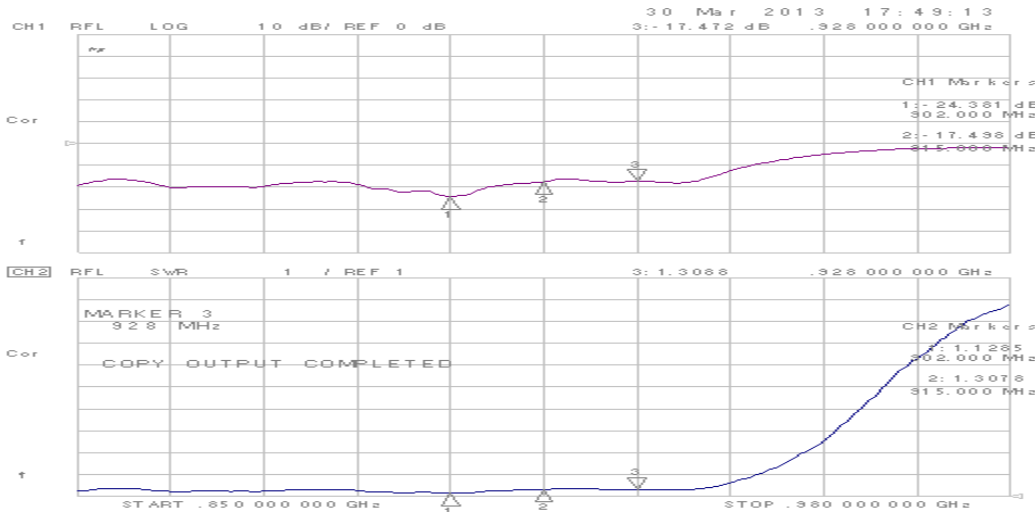
Storage Humidity	5%~90% non-condensing
Safety,Emission and other	RoHS

Chamber Test Equipment

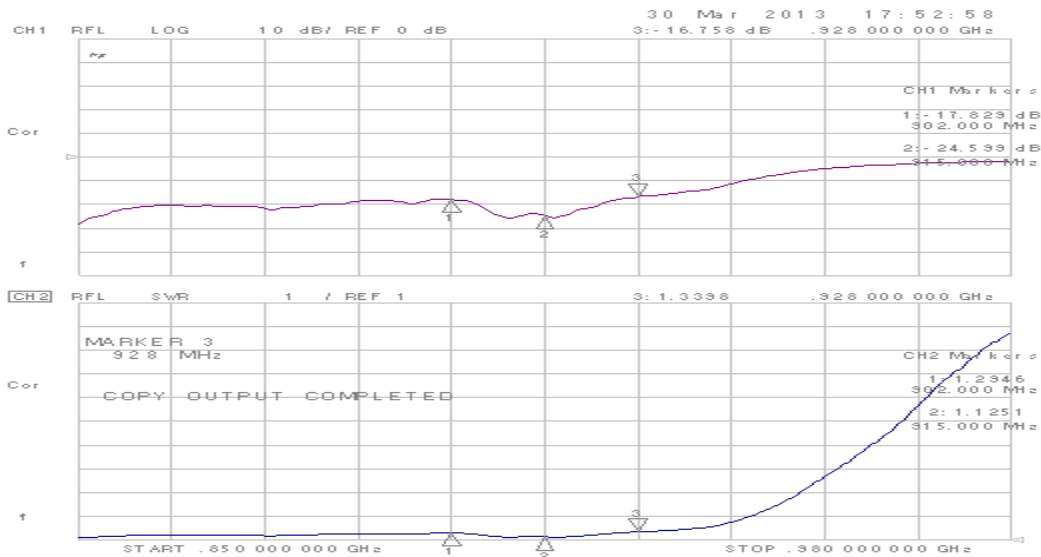
Test Equipment	Agilent 8720ET 50MHz-20.5GHz
Test Equipment Cable	Agilent 60cm SMA Male to SMA Male
Correction	85052D-DC-26.5Ghz
RF connector Adapter	Agilent SMA-Female to N-Male DC~18GHz
Test Model	PA-915M06-NF
Test Port	S11

Return Loss & V.S.W.R

Port 1.



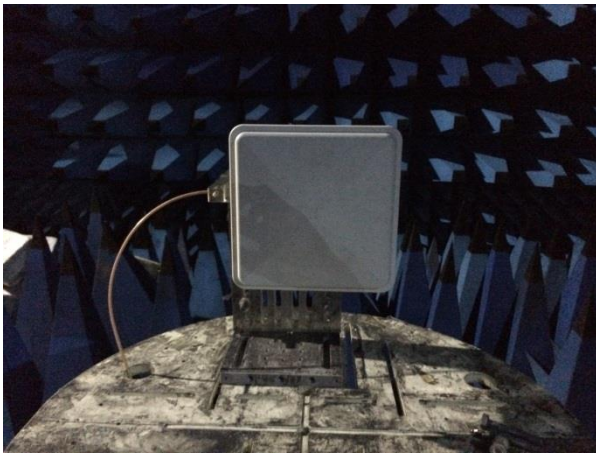
Port 2.



RF Chamber Test Report

Test Equipment	Agilent 8720ET 50MHz-20.5GHz
Chamber	14M(L) X 7M(D) X 7M(H)
Test Frequency	902-928MHz
Than Antenna	FT-RF HA-08M18G-NF

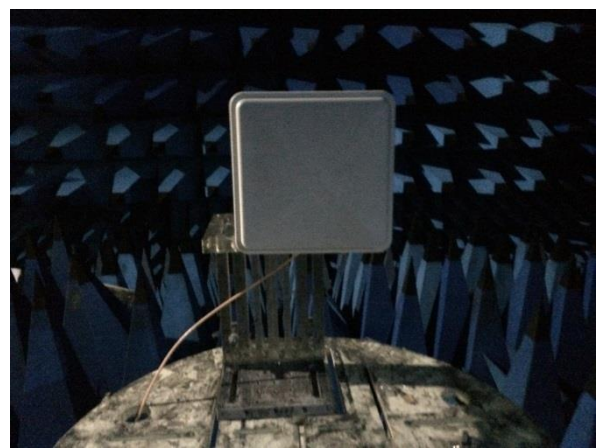
Vertical Pattern Photos



Vertical Pattern

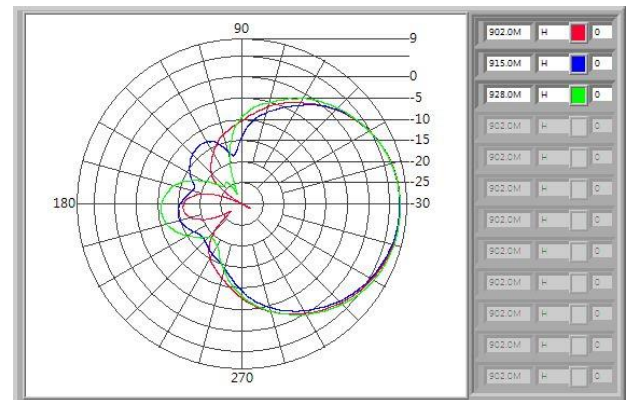
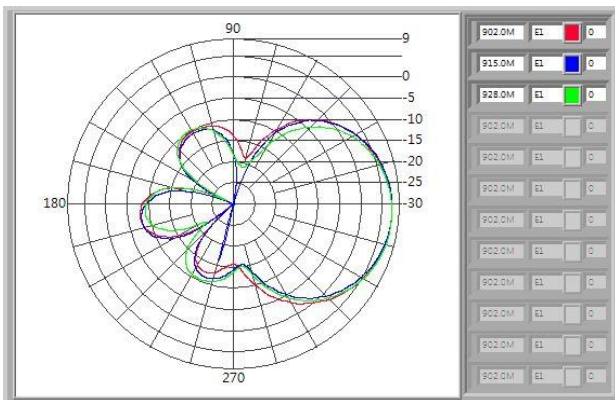
E-plane co-pol ----- 3-dB Beam-width=55 Deg

Horizontal Pattern Photos



Horizontal Pattern

H-plane co-pol ----- 3-dB Beam-width=66 Deg

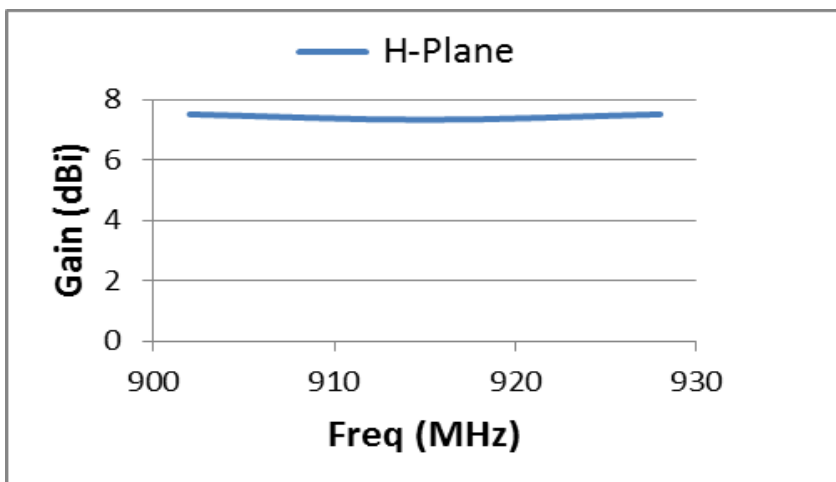


Antenna Gain Curve

H-Plane

MHz	dBi
902	7.51
915	7.33
928	7.51

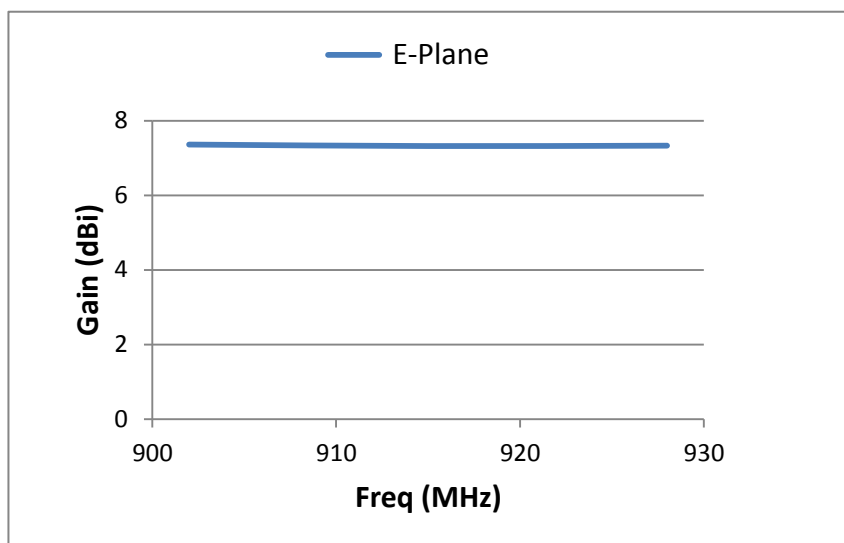
Average 7.45



E-Plane

MHz	dBi
902	7.36
915	7.32
928	7.33

Average 7.34

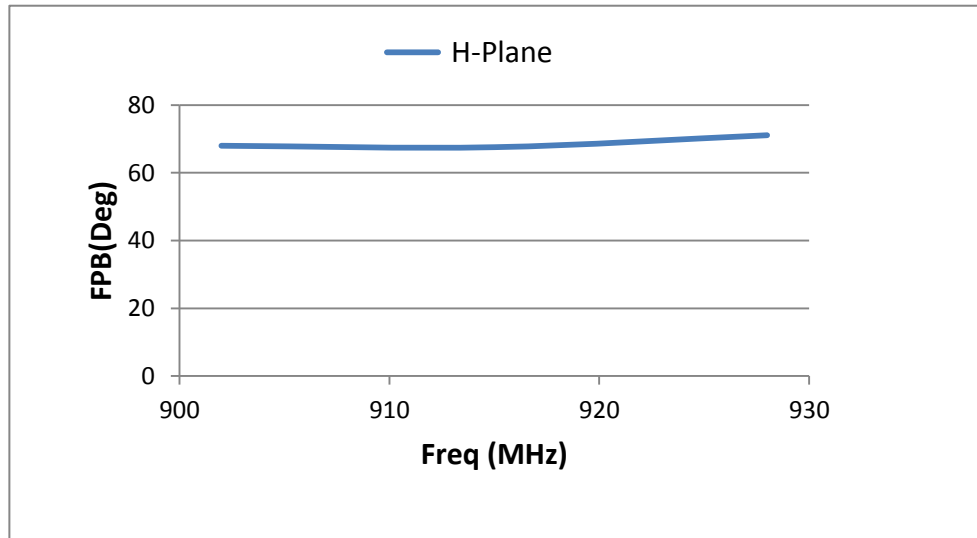


Antenna FPB Curve

H-plane

MHz	Deg
902	68
915	67.57
928	71.1

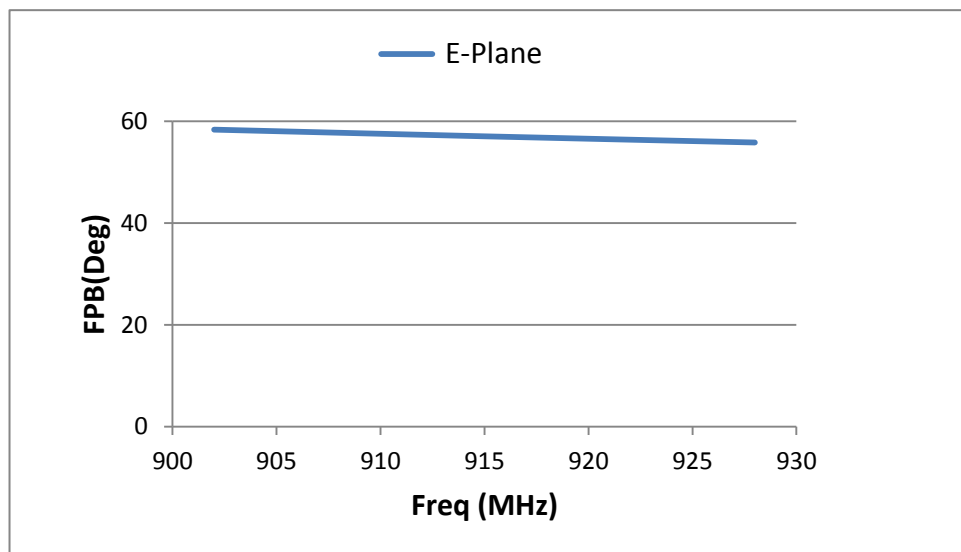
Average 68.9



E-Plane

MHz	Deg
902	58.38
915	57.07
928	55.85

Average 57.1

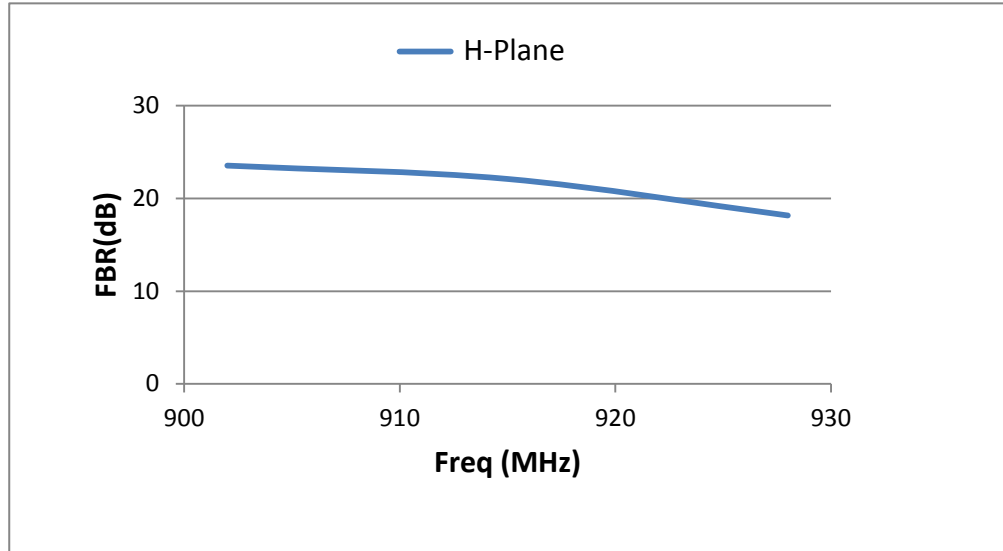


Antenna FBR Curve

H-plane

MHz	dB
902	23.54
915	22.1
928	18.16

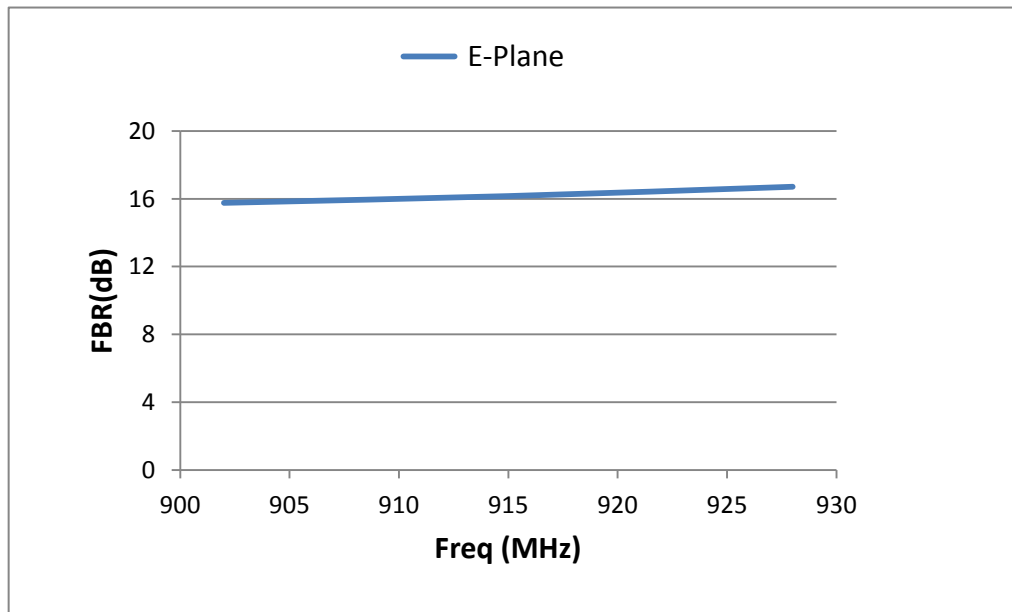
Average 21.3




E-Plane

MHz	dB
902	15.76
915	16.16
928	16.71



Average 16.2



Packing List

	1 Set Packing	255x265x85mm
	Antenna 、 U-bolt 、 L-Style Bracket 、 Water proof tape 、 Carton(10pcs)	
	ITEM NO.	PA-915M09-NF 10 set
	Q'TY	10 PCS
	G. W.	9.9 KG
	N. W.	0.45 KG
	CARTON	533*280*446mm

Label List

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

RoHs Status (RoHs Compliant)

Certificate of Compliance

Date:

To:

DI-RF hereby certifies that product

Model	Product
DIH-915M08-NF	902MHz-928MHz 8dBi Circularly Polarized Panel-Directional 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 DI-RF.

Sincerely,

Dynamic Intelligences CO., Ltd.

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