

Panel-Directional Outdoor Antenna Model : DI-915M09-DNF Specification

智能動感有限公司

中華民國一〇二年七月一日

Model : DI-915M09-DNF

外觀圖：



Accessories



Electrical Specifications

Frequency Range	902MHz - 928MHz
V.S.W.R (MAX)	1.3 :1
Antenna Type	Patch Type
Radiation	Directional
Gain (MAX)	9 dBi
Polarization	Vertical
Maximum Power	5 Watts
Vertical Beam-with	54Deg
Horizontal Beam-with	57Deg
Impedance	50 Ohm
Antenna Design	Patch*2
Internal Material	FR4(Taiwan)
Connector	N-Female*2

Mechanical Specifications

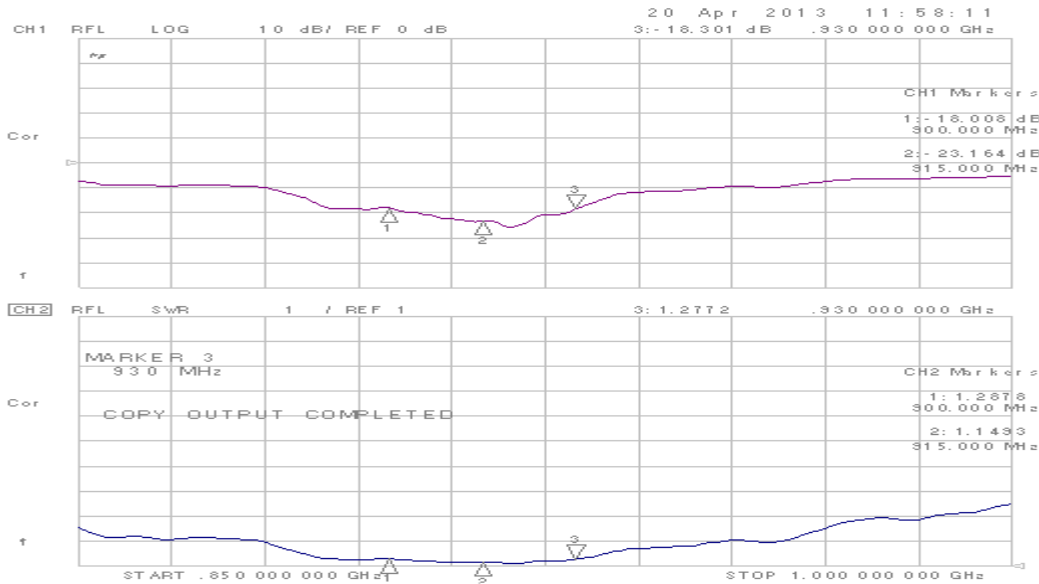
Length x Width (MAX)	600x300mm
Antenna Weight (G.W)	1630 g
Accessories (G.W)	300 g
Application	Indoor / Outdoor
Radom Material	White ABS
Pate Material	Aluminum
Mount Style	Pole Mount
Mounting	Stainless Steel and Aluminum
Wind Survival	Greater then 150MPH
Storage Temperature	-40 to +80
Operating Temperature	-40 to +60
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing
Safety,Emission and other	CE, FCC, RoHS,ISO

Chamber Test Equipment

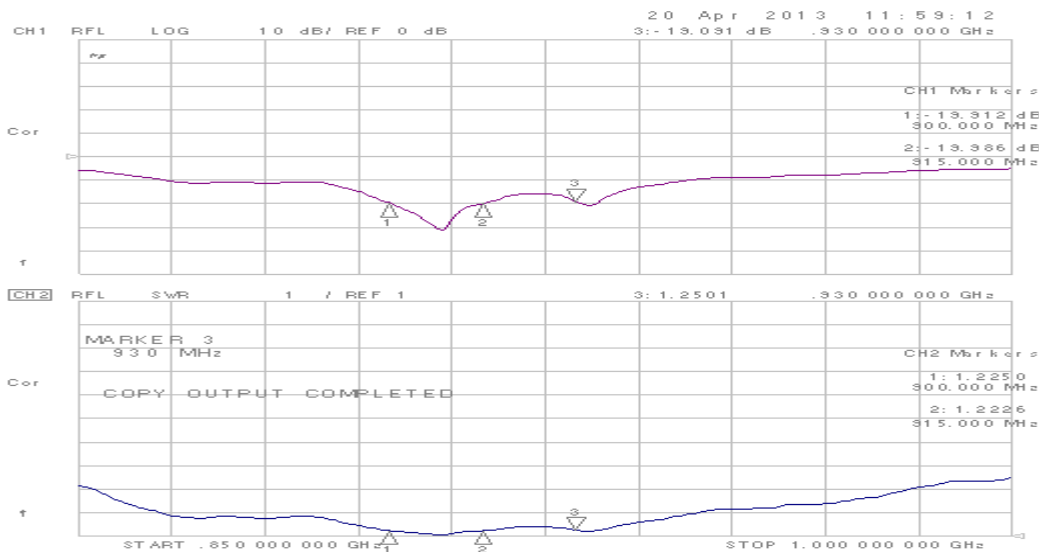
Test Equipment	Agilent 8720ET 50MHz-20.5GHz
Test Equipment Cable	Agilent 60cm Sma male to Sma male
RF connector Adapter	Agilent SMA-Female to N-Male DC~18GHz
Correction	85052D-DC-26.5Ghz
Test Model	DI-915M09-DNF
Test Port	S11

Return Loss & V.S.W.R

Port1.



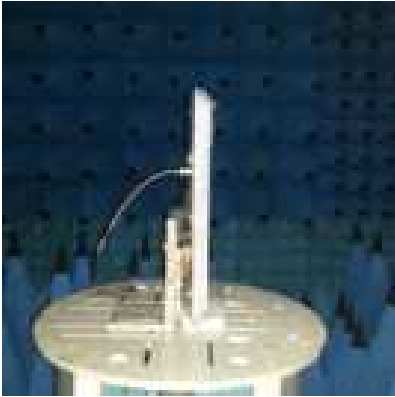
Port2.



RF Chamber Test Report

Test Equipment	Agilent 8720ET 50MHz-20.5GHz
Chamber	14M(L) X 7M(D) X 7M(H)
Test Frequency	902MHz-928MHz
Than Antenna	Schwarzbeck 9120 LF

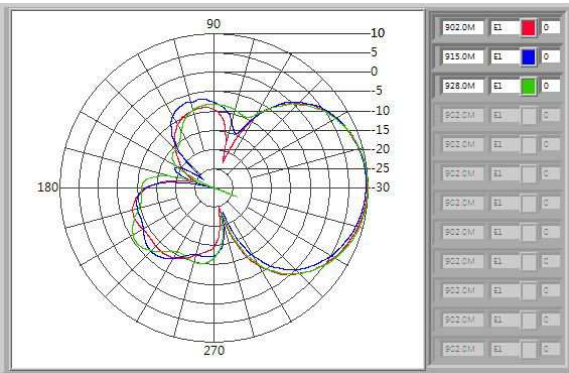
Vertical Pattern Photos



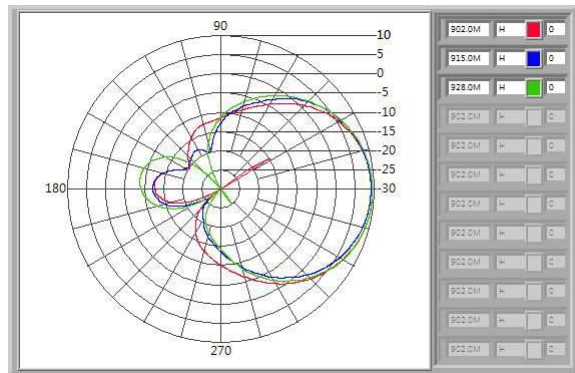
Horizontal Pattern Photos



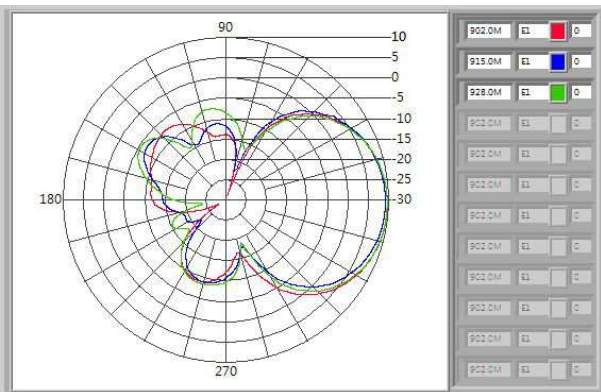
Vertical Pattern Port1.



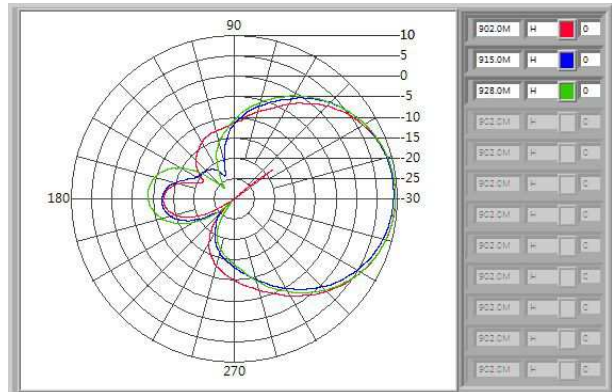
Horizontal Pattern Port1.



Port2.



Port2.

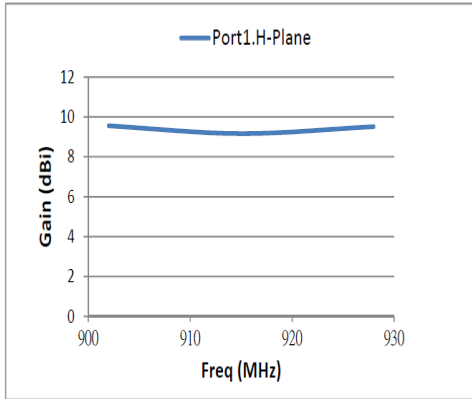


Antenna Gain Curve

Port1.
H-plane

MHz	dBi
902	9.56
915	9.17
928	9.52

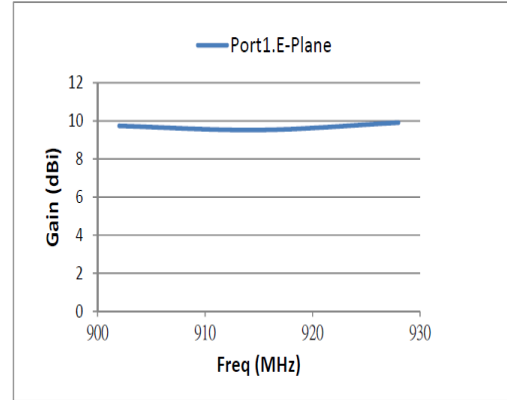
Average 9.42



Port1.
E-Plane

MHz	dBi
902	9.74
915	9.52
928	9.91

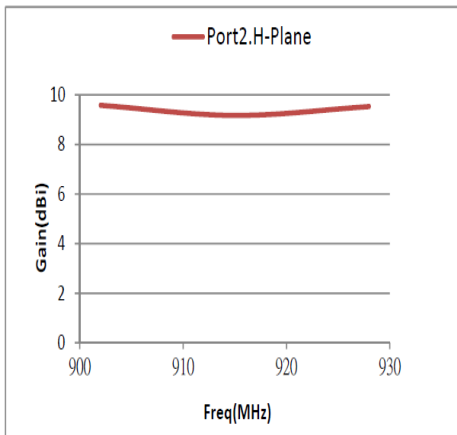
Average 9.72



Port2.
H-plane

MHz	dBi
902	9.58
915	9.17
928	9.53

Average 9.43



Port2.
E-Plane

MHz	dBi
902	9.73
915	9.22
928	9.67

Average 9.54

