

Wideband High Gain Panel Antenna

Product Number : PW-HGP-820/2500

Electrical Specifications :

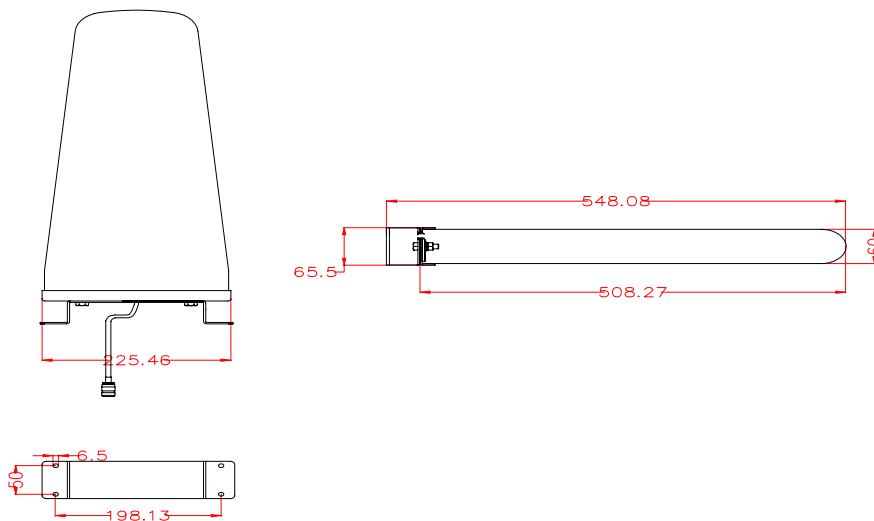
Frequency Range	800 MHz ~ 2500MHz
Gain 800MHz~ 960MHz	8.5dBi
960MHz~1700MHz	9.5dBi
1700MHz~2500MHz	11 dBi
Horizontal 3dB Beamwidth	43°~ 56°
Vertical 3dB Beamwidth	56°~ 78°
Front-to-back Ratio	>20dB
Side lobe level	<-20dB
Polarization	Vertical / Horizontal
Impedance	50Ω
VSWR	< 1.5
Maximum Input Power	100 W
Connector	N-type
Lightning Protection	Direct Grounding



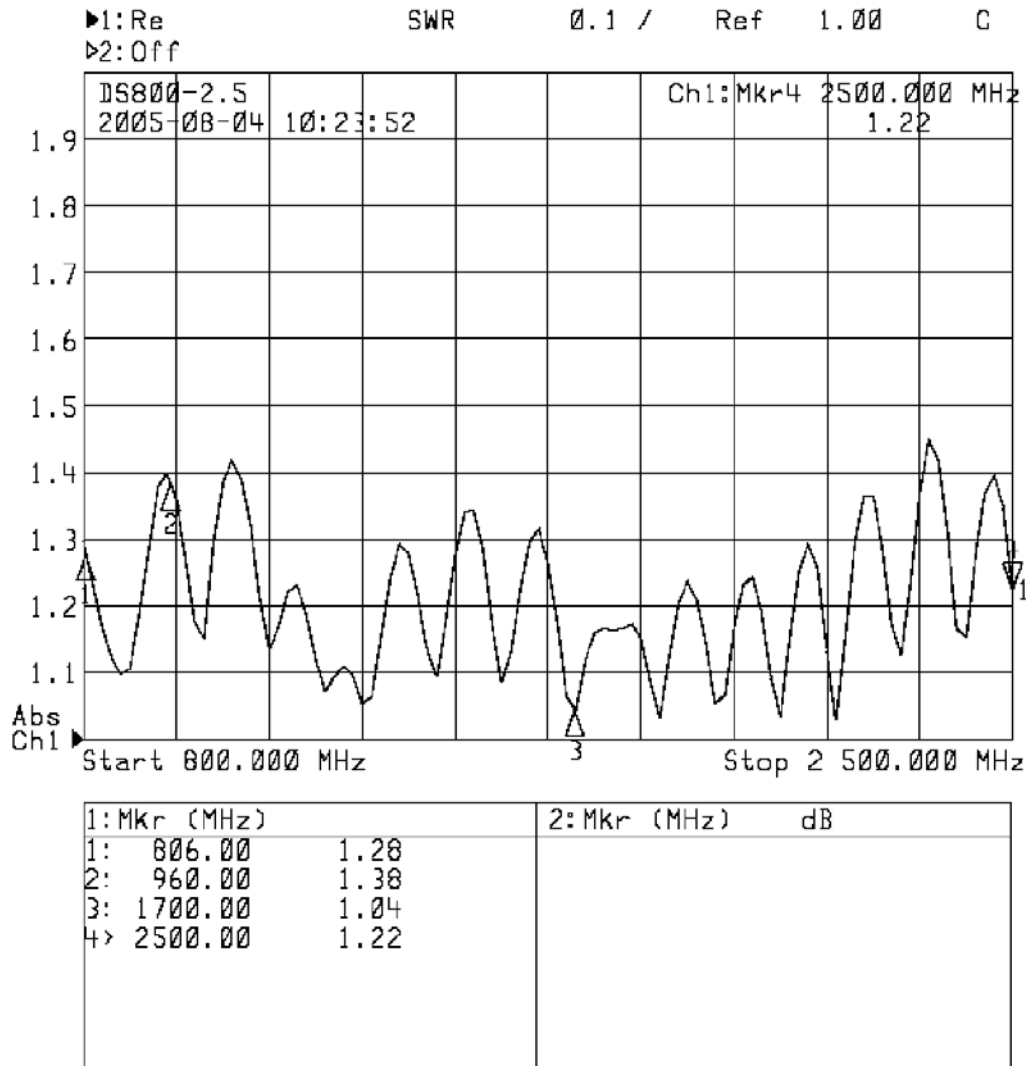
Mechanical Specifications :

Dimensions (L×W×D)	500×220×60mm
Weight of Antenna	2.0kg
Radome Material	Fiberglass

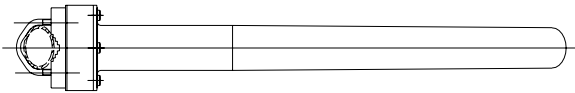
(This antenna is also applicable for instalation at Outdoor Environment)



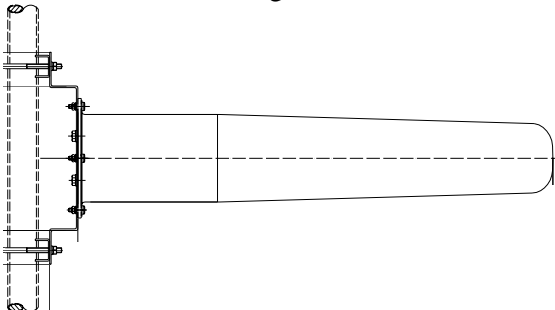
VSWR PLOT :



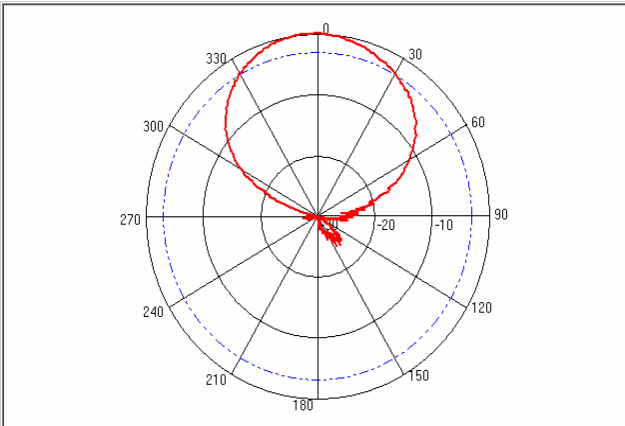
Horizontal Radiation Pattern generated with Antenna Mounting Position :



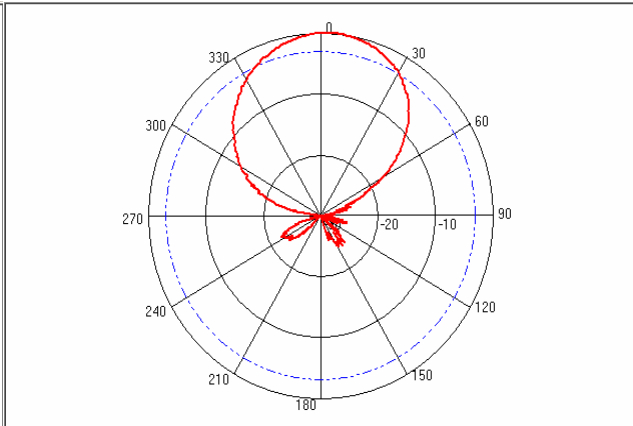
Vertical Radiation Pattern generated with Antenna Mounting Position :



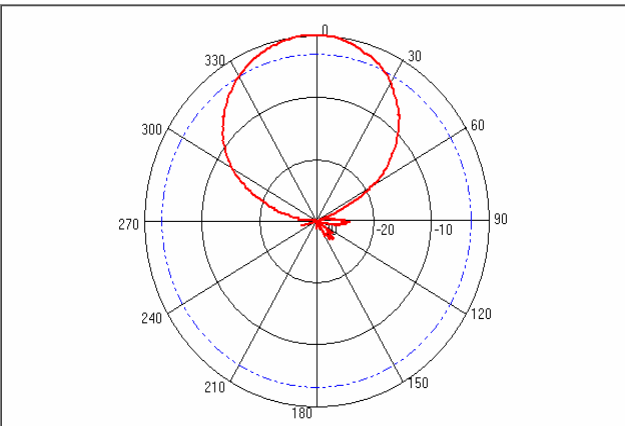
Radiation Pattern PW-HGP-820/2500 H-Plane (Horizontal)



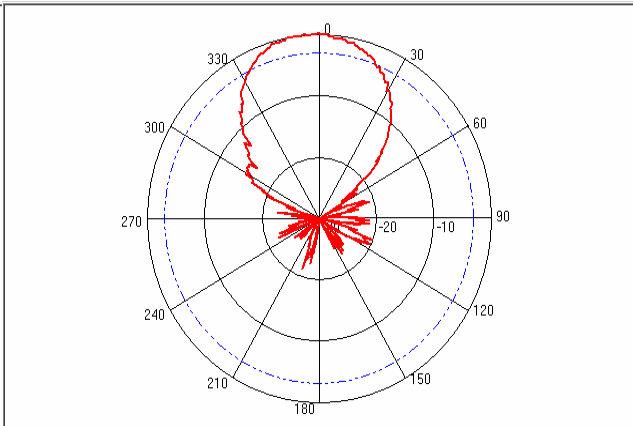
Ant Name : C:\Documents and Settings\Administrator\
 Directivity : 10.43 dBi Date : 2005-8-4 Plane : Directional
 Beam width : 60.3 Frequency : 806.000 30/40



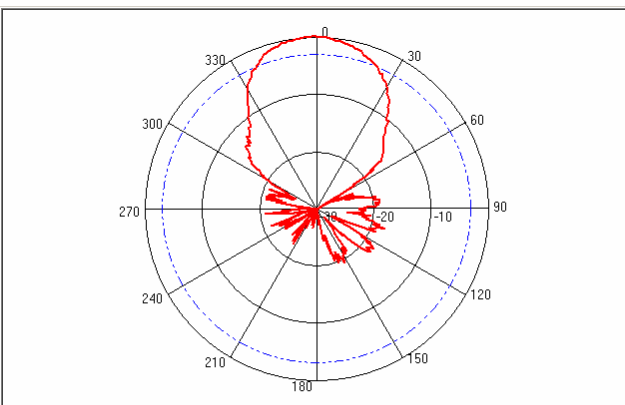
Ant Name : C:\Documents and Settings\Administrator\
 Directivity : 11.19 dBi Date : 2005-8-4 Plane : Directional
 Beam width : 54.9 Frequency : 896.000 30/40



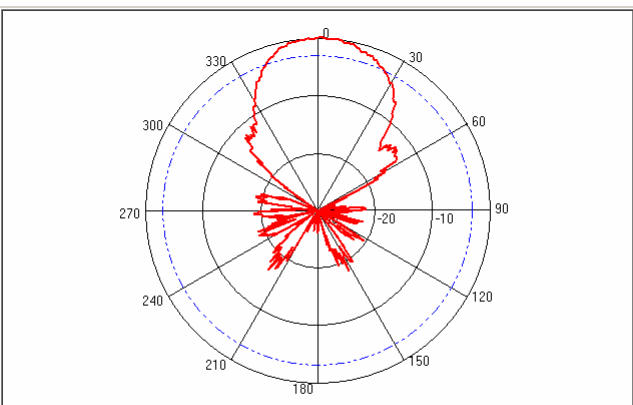
Ant Name : C:\Documents and Settings\Administrator\
 Directivity : 11.17 dBi Date : 2005-8-4 Plane : Directional
 Beam width : 54.9 Frequency : 960.000 30/40



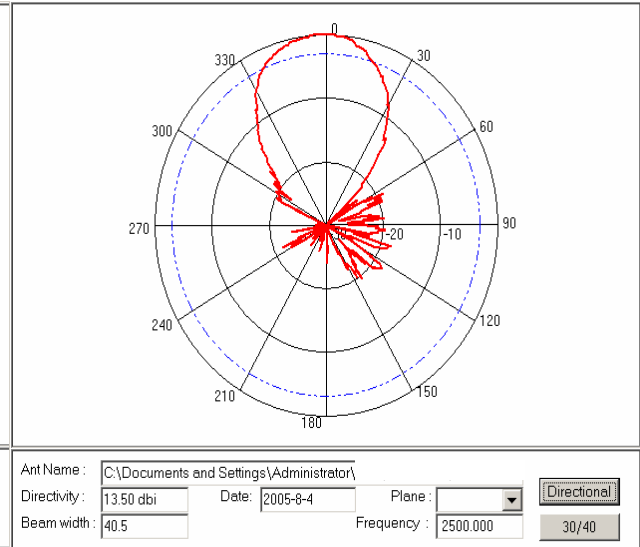
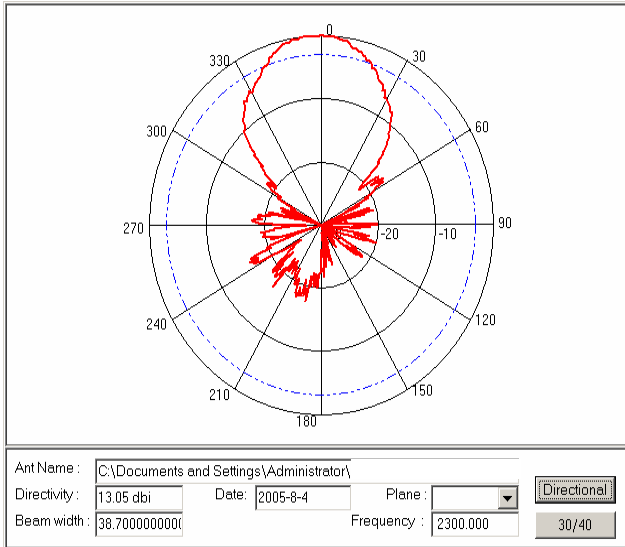
Ant Name : C:\Documents and Settings\Administrator\
 Directivity : 12.37 dBi Date : 2005-8-4 Plane : Directional
 Beam width : 47.7 Frequency : 1700.000 30/40



Ant Name : C:\Documents and Settings\Administrator\
 Directivity : 12.68 dBi Date : 2005-8-4 Plane : Directional
 Beam width : 45 Frequency : 1900.000 30/40



Ant Name : C:\Documents and Settings\Administrator\
 Directivity : 12.79 dBi Date : 2005-8-4 Plane : Directional
 Beam width : 44.1 Frequency : 2100.000 30/40



Pattern PW-HGP-820/2500 E-Plane (Vertical)

