HyperLink Wireless 2.4 GHz 10 dBi Mini Panel Antenna
Model: HG2410DP

Applications

- 2.4 GHz ISM Band
- IEEE 802.11b/g/n Wireless LAN
- Public Wireless Hotspot
- WiFi
- 802.11n MIMO applications

RoHS Compliant

Features

- Compact size, 4" x 4" x 3.5"
- Durable UV-stable ABS radomes, all weather operation
- DC Ground lightning protecting
- Dual Integral N-Female connectors
- Can be installed for either vertical or horizontal polarization
- Includes 30° Tilt & Swivel mast mounting kit

Description

This very compact panel 2.4 GHz multiple-input and multiple-output (MIMO) patch antenna is designed to operate with many manufacturers' enterprise-class 802.11n MIMO access points (APs). The antenna features two integrated 2.4 GHz patch antennas in one enclosure, making it an ideal and aesthetically pleasing antenna to support demanding indoor or outdoor applications in next generation IEEE 802.11n wireless communication systems

Designed for all weather operation, the HG2410DP features drain holes in the radome to help prevent moisture build-up inside the antenna. The antenna is supplied with a 30 degree tilt and swivel mast mount kit. This allows the antenna to be positioned for optimal performance. It can be adjusted up or down from 0° to 30°. It can be mounted to a 1" (25.4 mm) to 1.7" (43.2 mm) dia. masts.

Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain (dBi)	10 dBi
Polarization	Vertical or Horizontal
Vertical Beamwidth	55°
Horizontal Beamwidth	55°
Max. Input Power	200W
Impedance	50 Ohms
VSWR	1.5:1
Front to Back Ratio	≥15dB
Lightning Protection	DC Ground

Mechanical Specifications

Output Connector	Dual Integral N-Female Connectors
Mounting	1" (25.4 mm) to 1.7" (43.2 mm) dia. masts
Vertical Tilt	0-30°
Radome	UV-Protected ABS
Operating Temperature	-40° C to 60° C (-40° F to 131° F)
Dimensions	4" x 4 " x3.5 in. (104 x 104 x 90 mm)
Weight - Antenna	1.1 lbs. (0.5 Kg)
Weight - Mount	0.4 lbs. (0.18 Kg)
Rated Wind Velocity	130MPH/h (210Km/h)
RoHS Compliant	Yes

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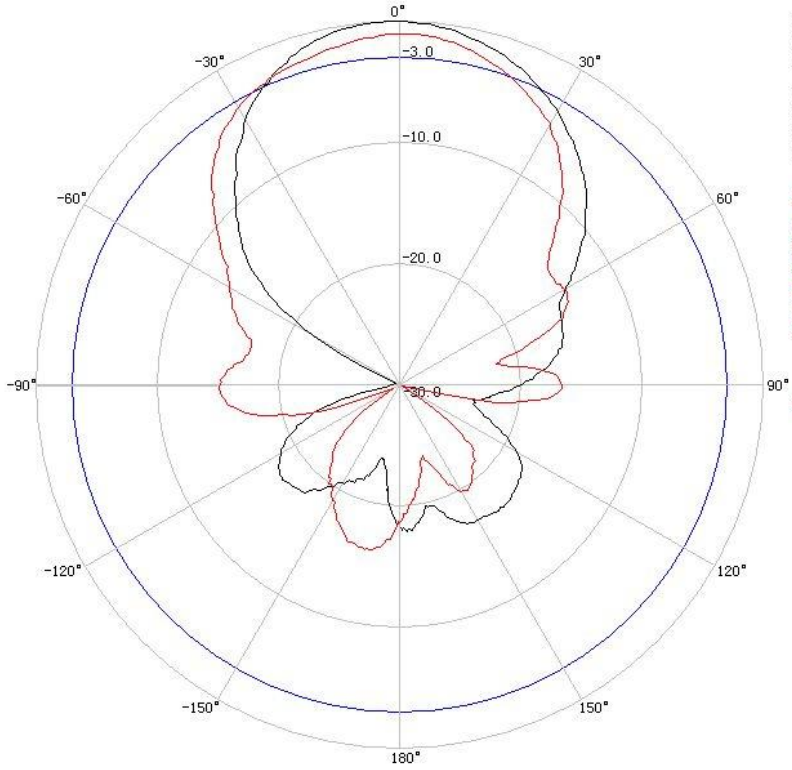
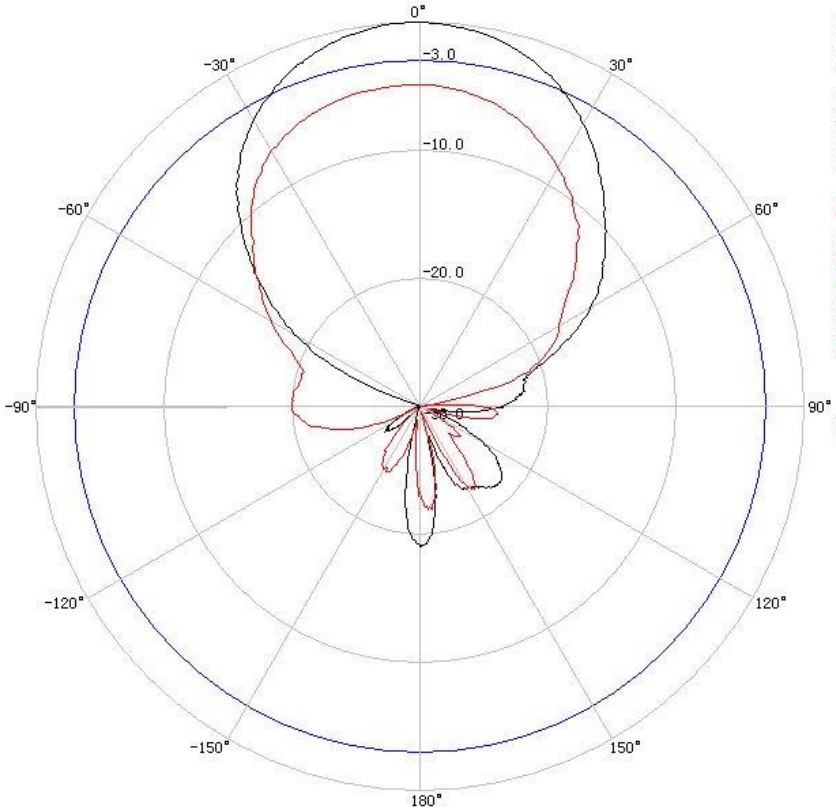
RF Antenna Patterns – Horizontal Polarized



Frequency：2450MHz
Testing Date：2012-3-26
Polarization：Horizontal
Elevation：H_plane
MaxElectric：-57.31dBm
3dB beamwidth：50.34°
F/B Ratio：17.00dB

Frequency：2450MHz
Testing Date：2012-3-26
Polarization：Horizontal
Elevation：V_plane
MaxElectric：-58.36dBm
3dB beamwidth：57.26°
F/B Ratio：15.02dB

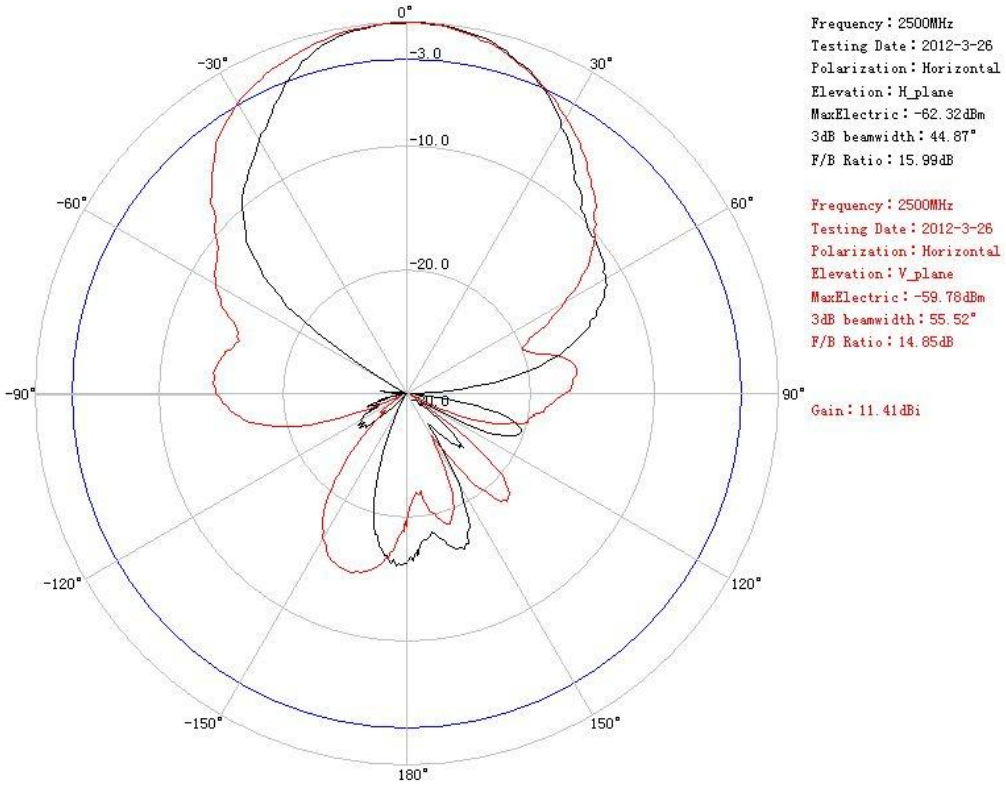
Gain：11.48dBi



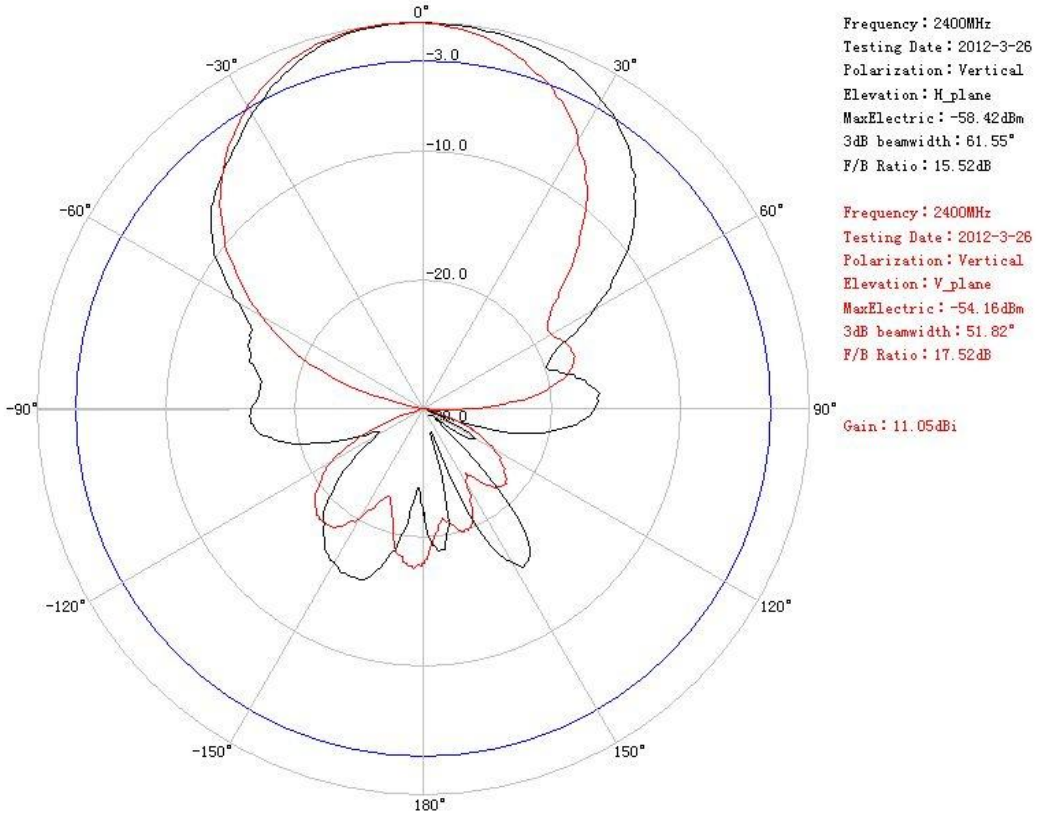
Frequency：2400MHz
Testing Date：2012-3-26
Polarization：Horizontal
Elevation：H_plane
MaxElectric：-53.29dBm
3dB beamwidth：50.25°
F/B Ratio：19.05dB

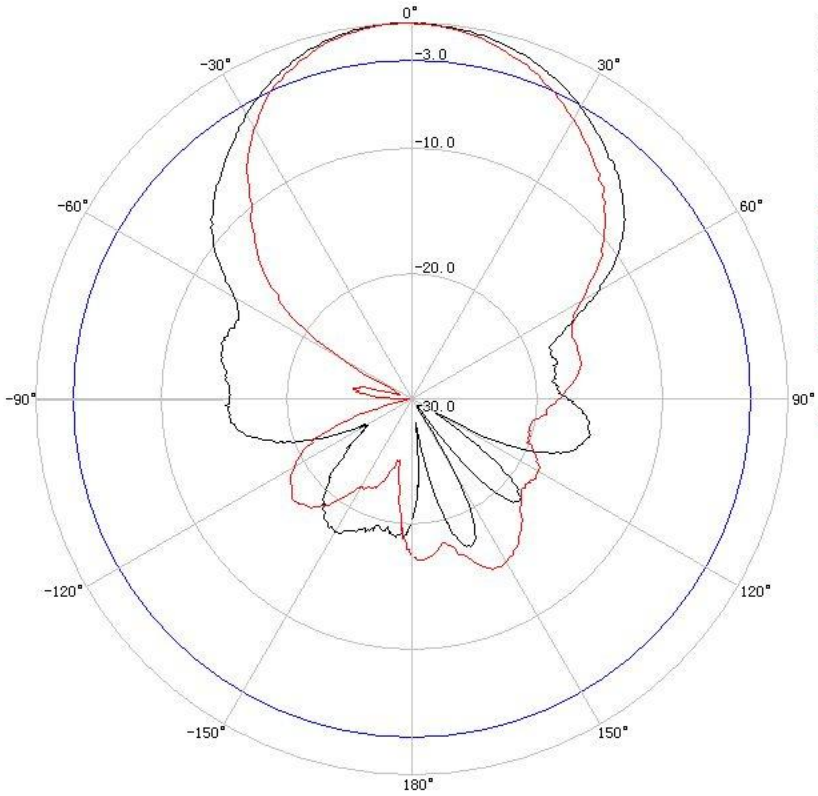
Frequency：2400MHz
Testing Date：2012-3-26
Polarization：Horizontal
Elevation：V_plane
MaxElectric：-58.20dBm
3dB beamwidth：61.56°
F/B Ratio：16.95dB

Gain：10.92dBi



RF Antenna Patterns – Vertical Polarized

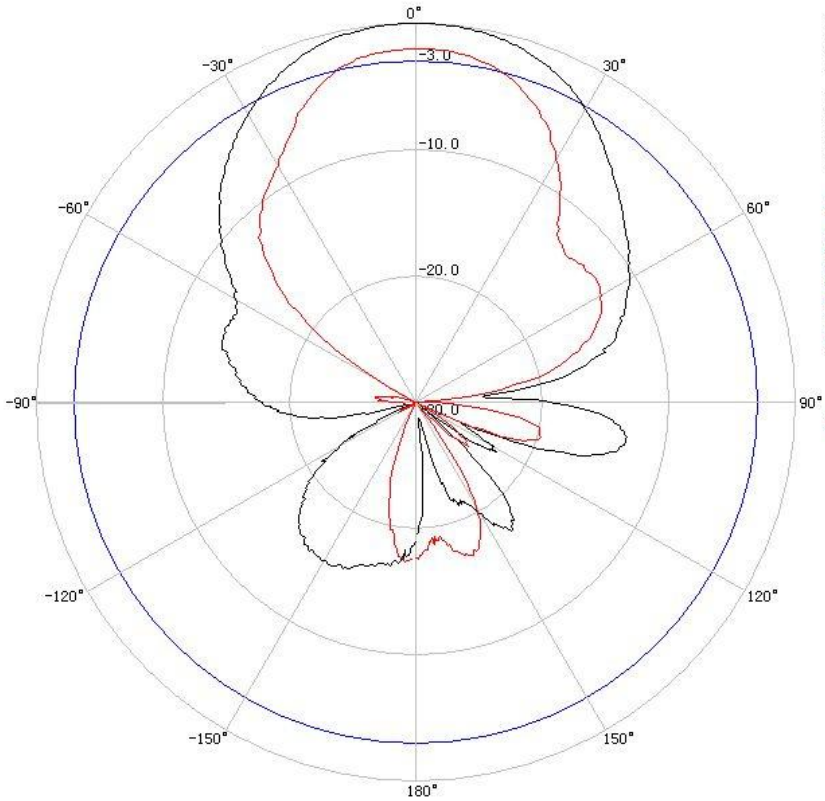




Frequency：2450MHz
Testing Date：2012-3-26
Polarization：Vertical
Elevation：H_plane
MaxElectric：-58.88dBm
3dB beamwidth：56.58°
F/B Ratio：17.26dB

Frequency：2450MHz
Testing Date：2012-3-26
Polarization：Vertical
Elevation：V_plane
MaxElectric：-58.38dBm
3dB beamwidth：49.54°
F/B Ratio：14.79dB

Gain：11.14dBi



Frequency：2500MHz
Testing Date：2012-3-26
Polarization：Vertical
Elevation：H_plane
MaxElectric：-61.10dBm
3dB beamwidth：56.98°
F/B Ratio：15.36dB

Frequency：2500MHz
Testing Date：2012-3-26
Polarization：Vertical
Elevation：V_plane
MaxElectric：-63.11dBm
3dB beamwidth：43.85°
F/B Ratio：15.04dB

Gain：11.12dBi