

# Home Outside Directional Antenna

SKU: 314445

MSRP: \$99.99

## FEATURES

- Works on all worldwide cellular bands for voice and data: LTE/CDMA/GSM/UMTS/AWS
- High performance for weBoost cellular repeater/boosters
- Designed for building exterior installation; direct at cell tower for best signal
- High efficiency and compact design
- UV stable white sealed radome
- Rugged and waterproof for all weather operation
- Simple install kit with tilt/swivel bracket for 1.0" to 3" diameter pipe/mast
- 2-year warranty

**⚠️ WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## Kit Includes



Outside Directional Antenna



Mounting Bracket

## Specifications

### ELECTRICAL

Frequency Band (MHz)	698-806	806-960	1710-1880	1900-2200	2200-2700
Peak Gain (dBi)	7.2	6.9	8.9	8.4	9.2
Efficiency (%)	93.0	84.5	82.8	80.1	82.6
VSWR	<1.5:1		<1.5:1		
Polarization	Vertical				
Half-Power Azimuth Beamwidth (°)	118	121	101	103	79
Half-Power Elevation Beamwidth (°)	68	71	65	62	54
Front-to-Back Ratio (dB)	>12		>15	>12	>12
Impedance (Ω)	75				
Maximum Power (W)	50				

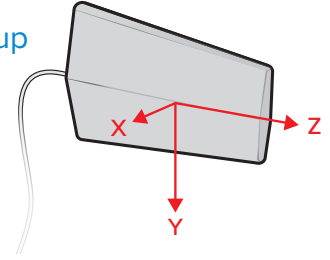
### MECHANICAL

Model	314445
Connector	F- Female
Dimensions (in / mm)	11.375x8.5x2.625 / 288.9x215.9x66.6
Shipping Dimensions (in / mm)	14.25x9.125x4.0 / 361.9x231.7x101.6
Antenna weight (lb / kg)	1.37 / .62
Packing weight (lb / kg)	2.05 / .92
Wind Loading Area (ft <sup>2</sup> / m <sup>2</sup> )	0.54 / 0.05
Radiator Material	Aluminum
Radome Material	Plastic-ChiMei PC385

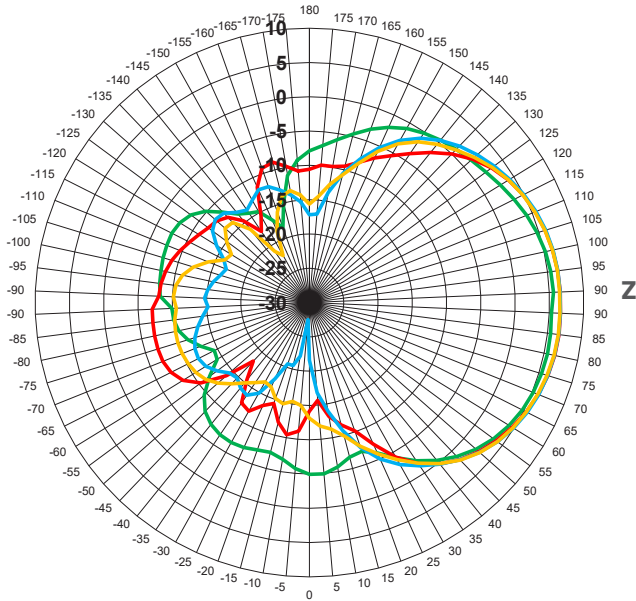
## Radiation Patterns, 700-960 MHz

700 MHz    800 MHz    900 MHz    960 MHz

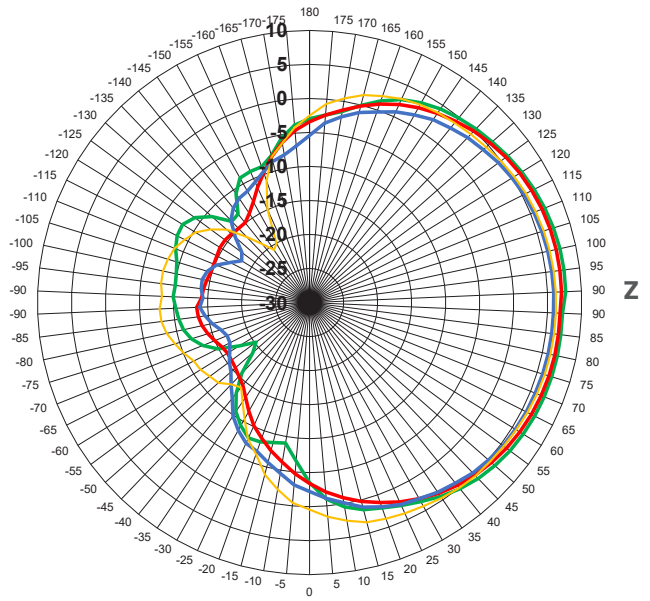
Test Setup



XY Plane



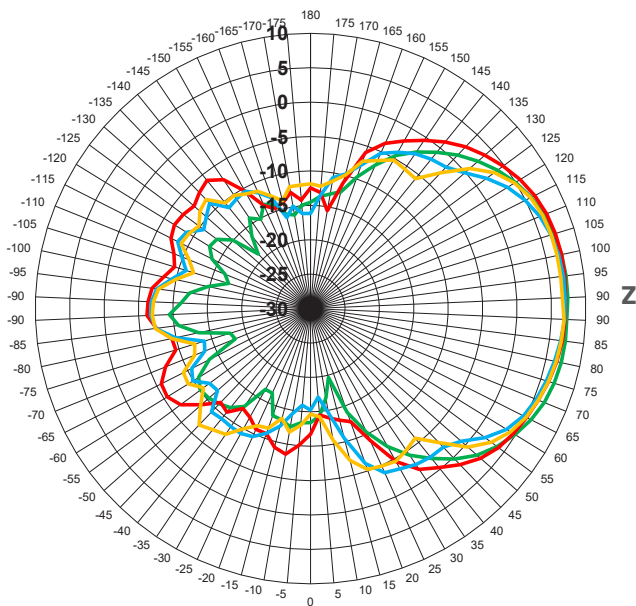
YZ Plane



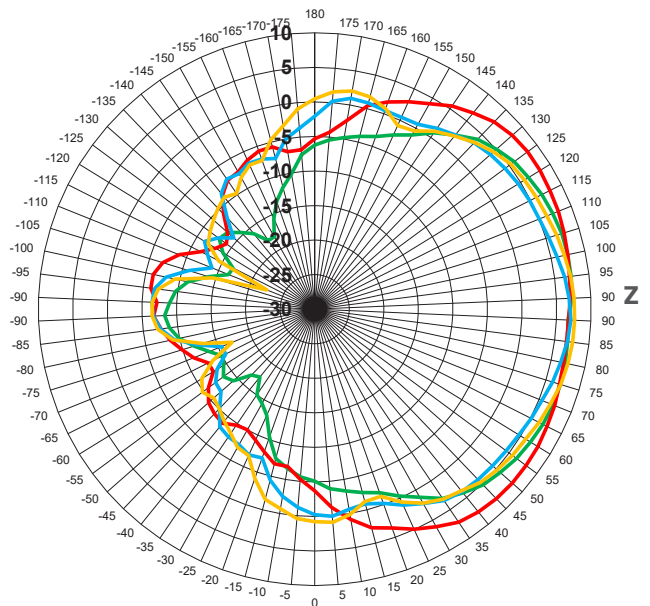
## Radiation Patterns, 1700-2200 MHz

1700 MHz    1900 MHz    2100 MHz    2200 MHz

XY Plane



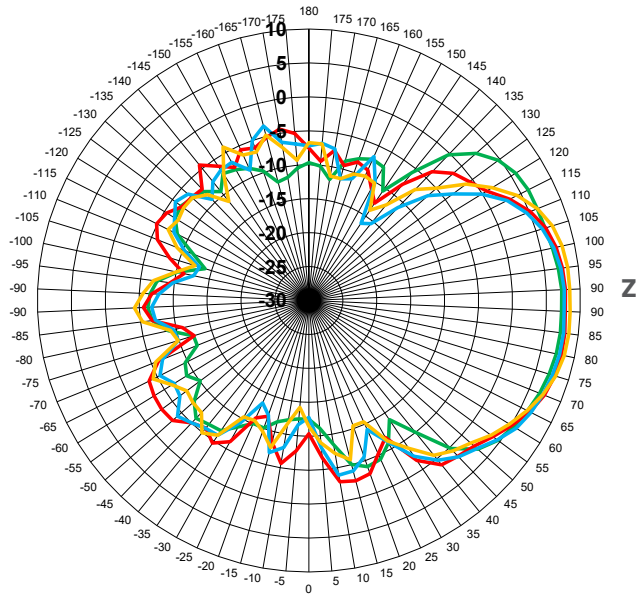
YZ Plane



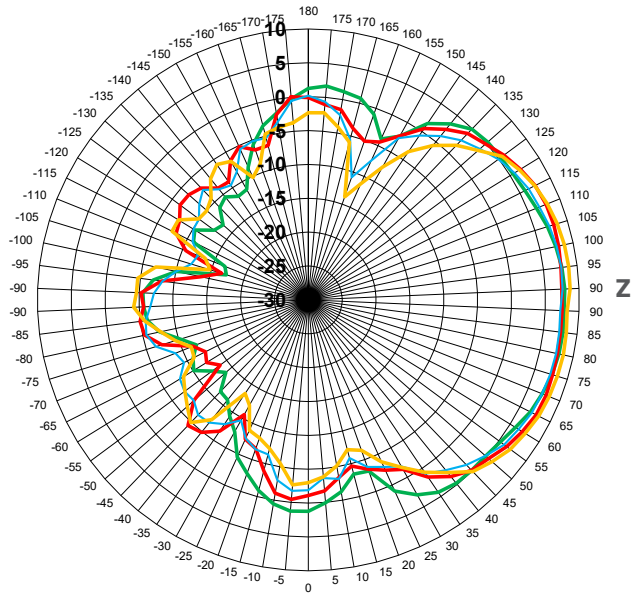
## Radiation Patterns, 2300-2700 MHz

■ 2300 MHz   
 ■ 2500 MHz   
 ■ 2600 MHz   
 ■ 2700 MHz

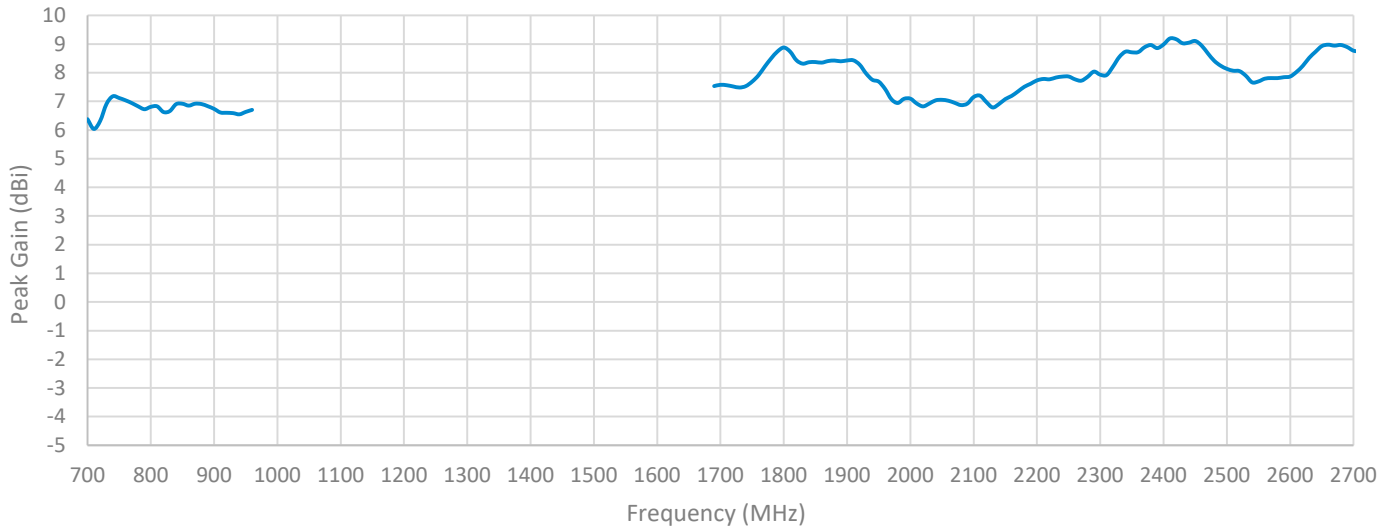
XY Plane



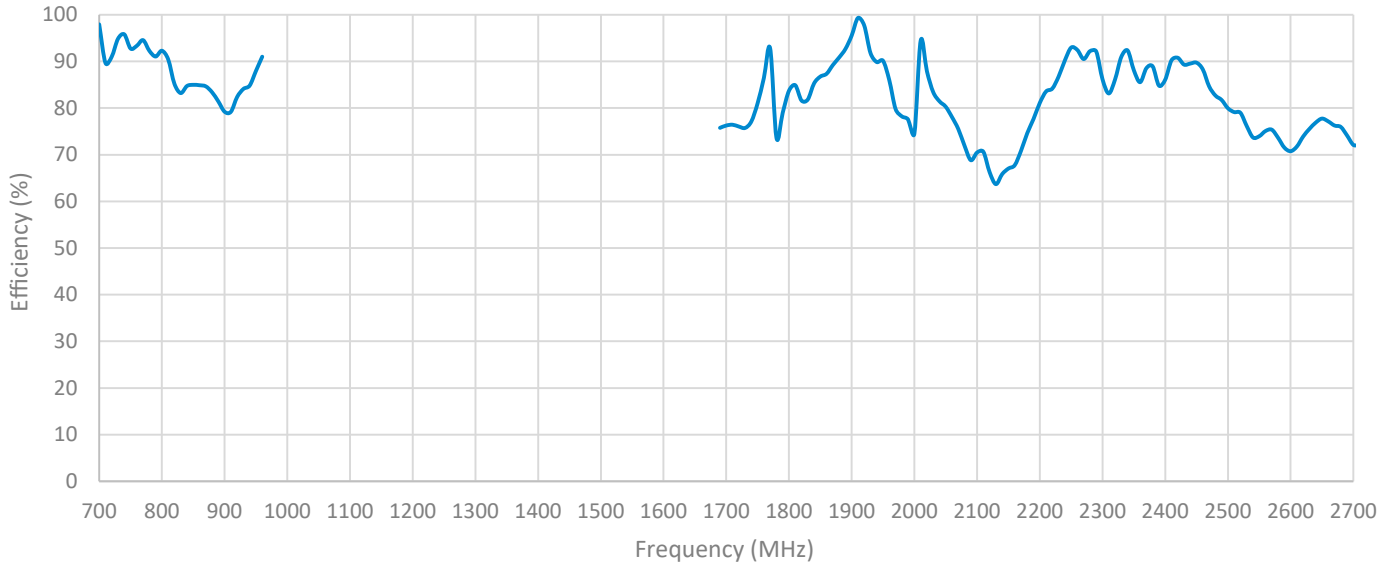
YZ Plane



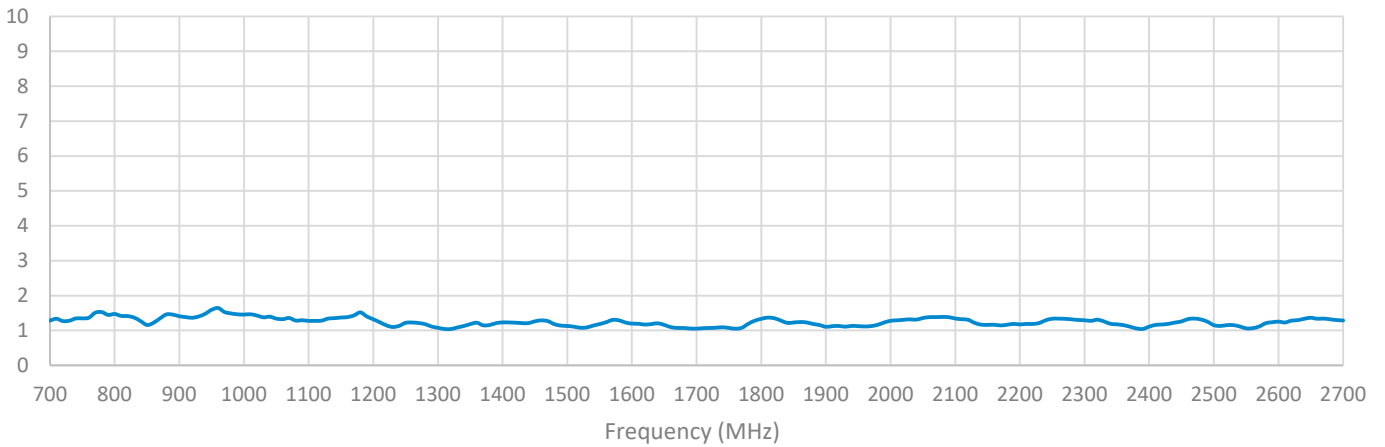
## Peak Gain



## Efficiency

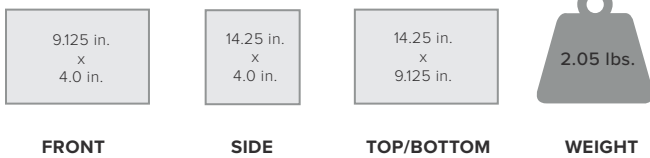


## VSWR



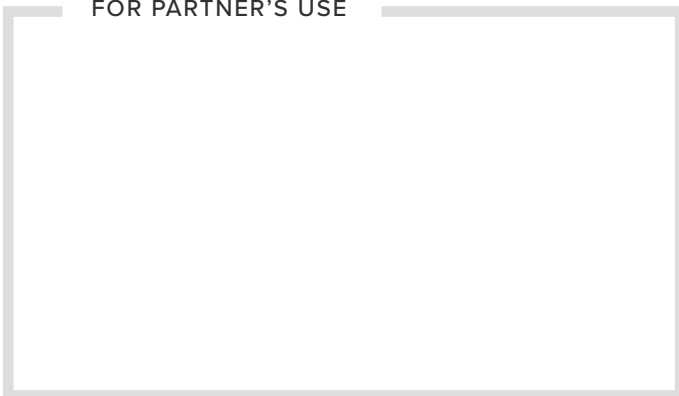
## Package Dimensions

14.25 L x 9.125 W x 4.0 H



**MASTER CARTON:** 25 L x 20 W x 15 H | 26.22 lbs. | QTY. 11

FOR PARTNER'S USE



OutsideDirectionalAntenna\_SpecSheet\_Rev02\_10.15.19

## Support

 2 Year Warranty

**Email:** [support@wilsonelectronics.com](mailto:support@wilsonelectronics.com)

**Website:** <http://support.weboost.com>

**Phone:** +1 866 294 1660 Monday to Saturday

\* **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

ASSEMBLED IN THE USA



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