

Home Outside Directional Antenna

SKU: 314445

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



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				

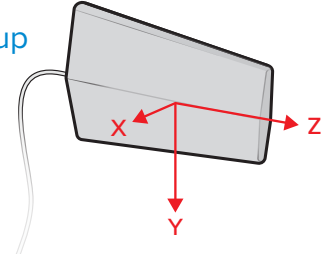
MECHANICAL

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 ² / m ²)	0.54 / 0.05
Radiator Material	Aluminum
Radome Material	Plastic-ChiMei PC385

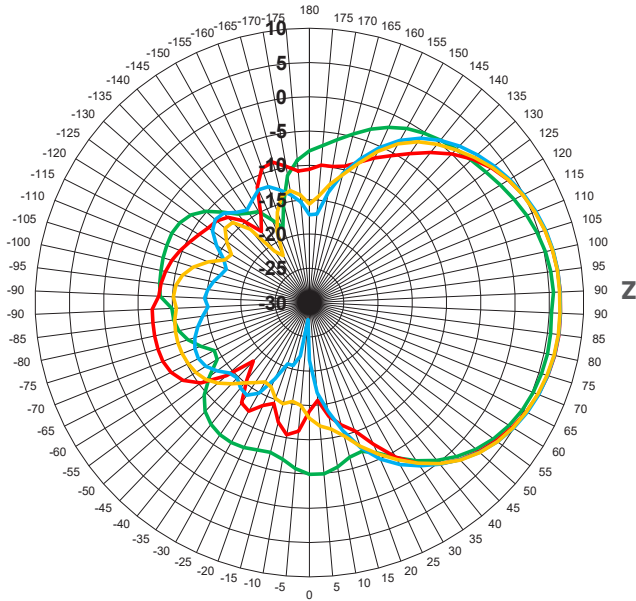
Radiation Patterns, 700-960 MHz

700 MHz 800 MHz 900 MHz 960 MHz

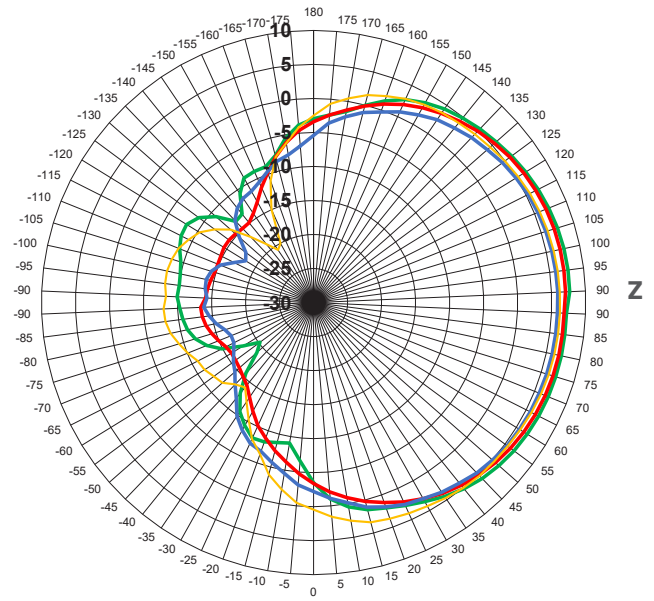
Test Setup



XY Plane



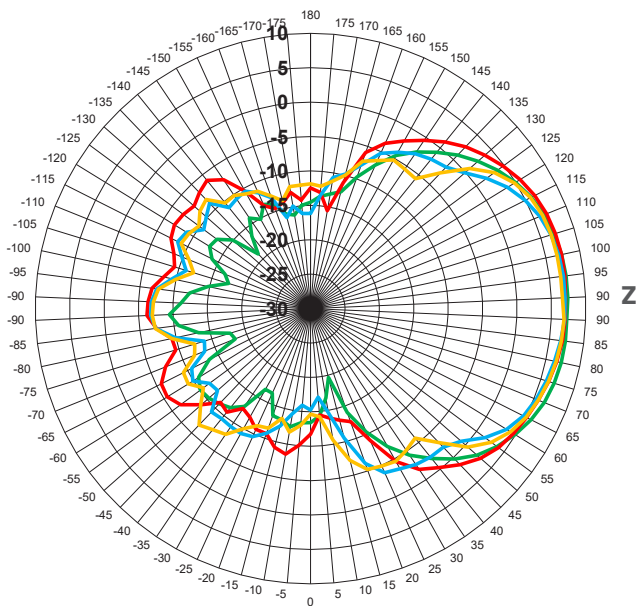
YZ Plane



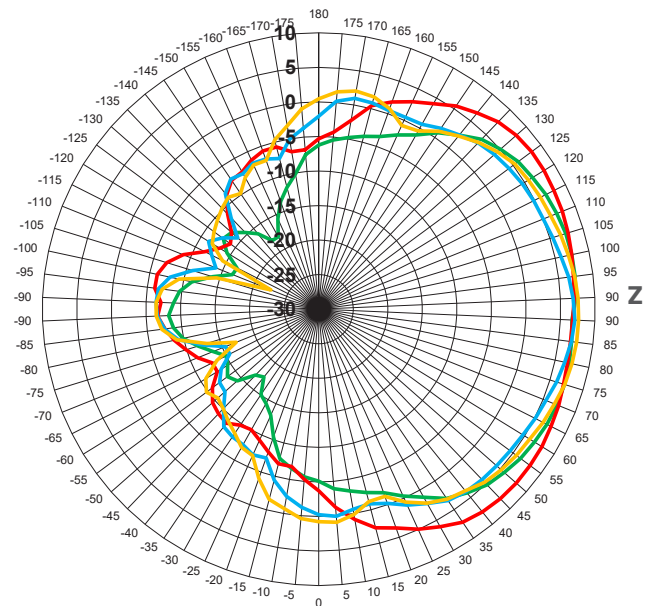
Radiation Patterns, 1700-2200 MHz

1700 MHz 1900 MHz 2100 MHz 2200 MHz

XY Plane



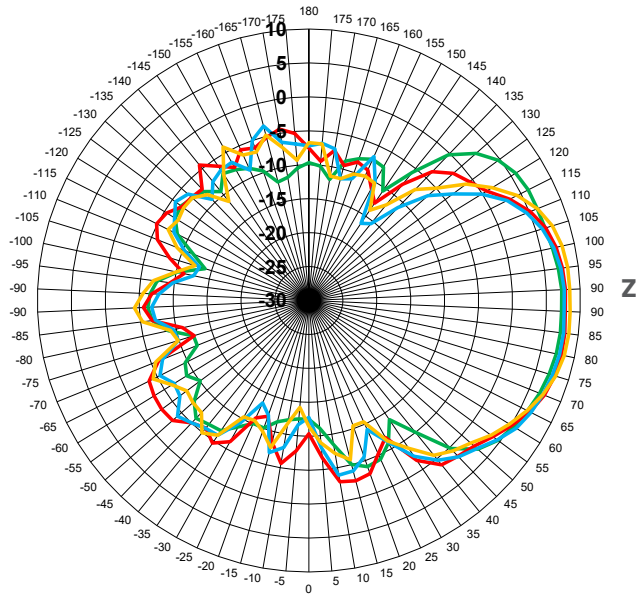
YZ Plane



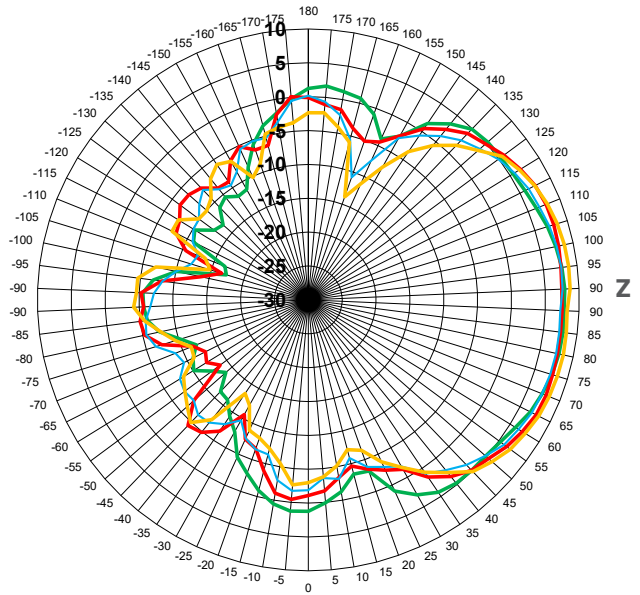
Radiation Patterns, 2300-2700 MHz

2300 MHz 2500 MHz 2600 MHz 2700 MHz

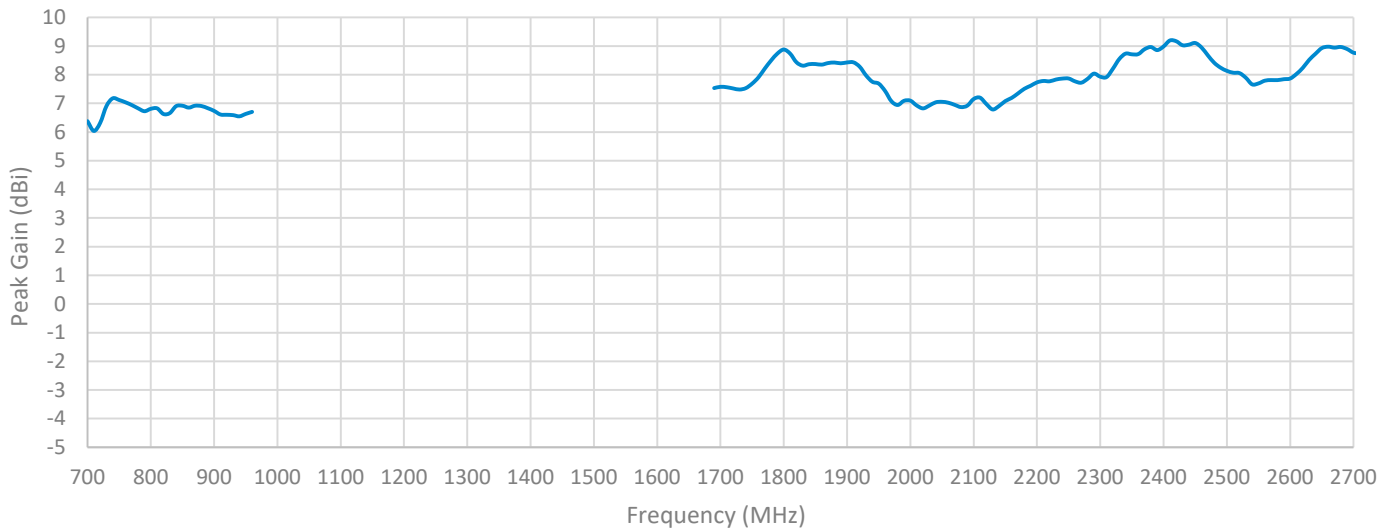
XY Plane



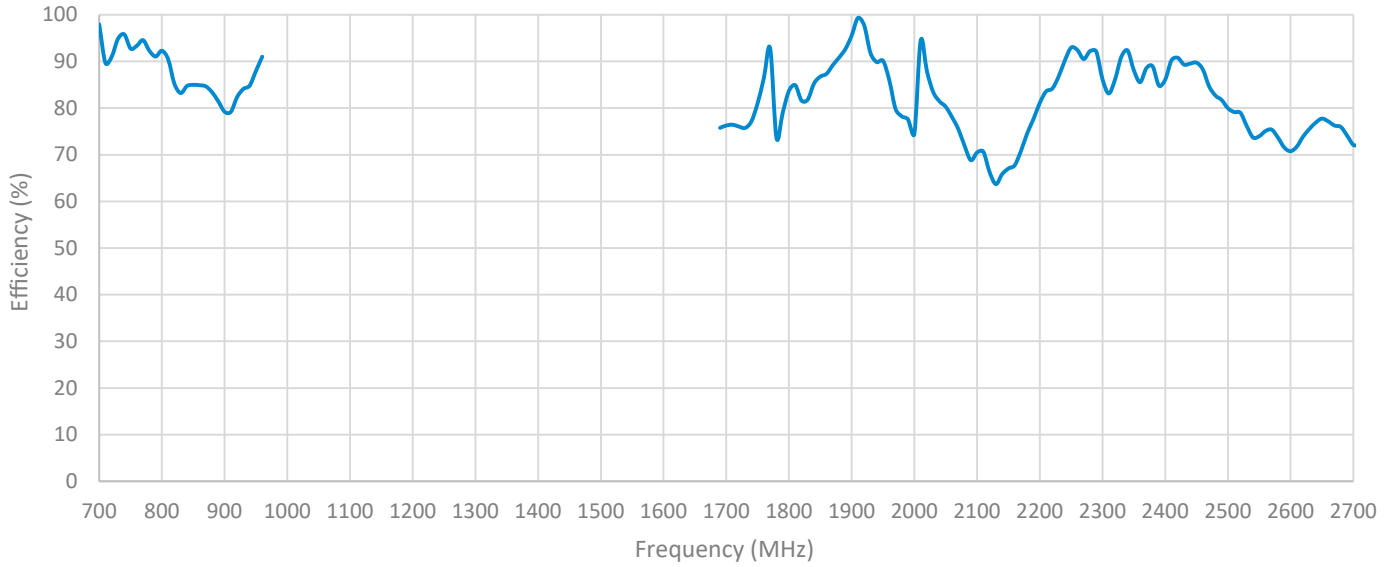
YZ Plane



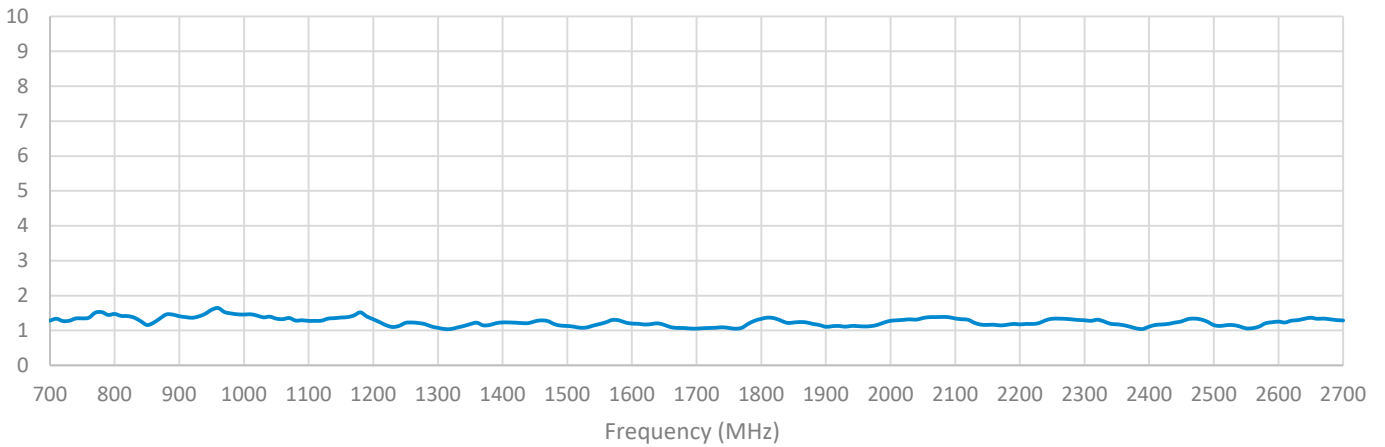
Peak Gain



Efficiency

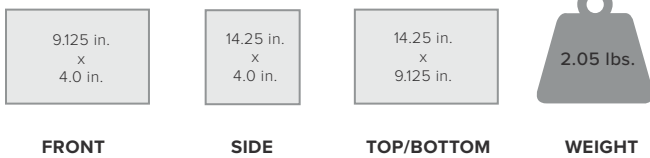


VSWR



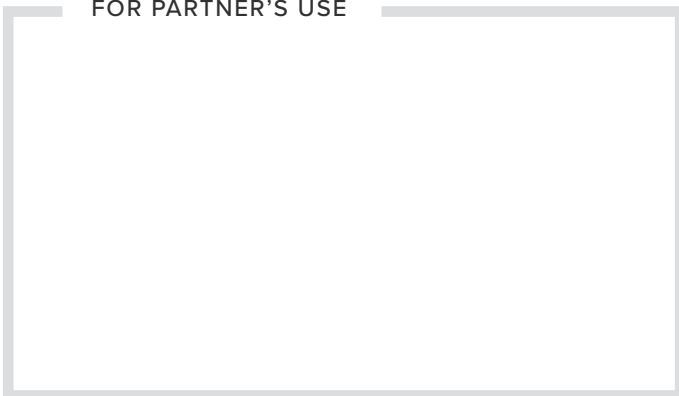
Package Dimensions

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



Support

 2 Year Warranty

Email: support@wilsonelectronics.com

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Phone: +1 866 294 1660 Monday to Saturday

ASSEMBLED IN THE USA



UPC

