

Home Outside Directional Antenna

SKU: 314445

MSRP: \$99.99

Product Web Page:



FEATURES

- Works on all worldwide cellular bands for voice and 4G 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 1.25" to 2" 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				

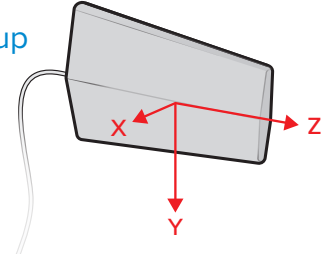
MECHANICAL

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

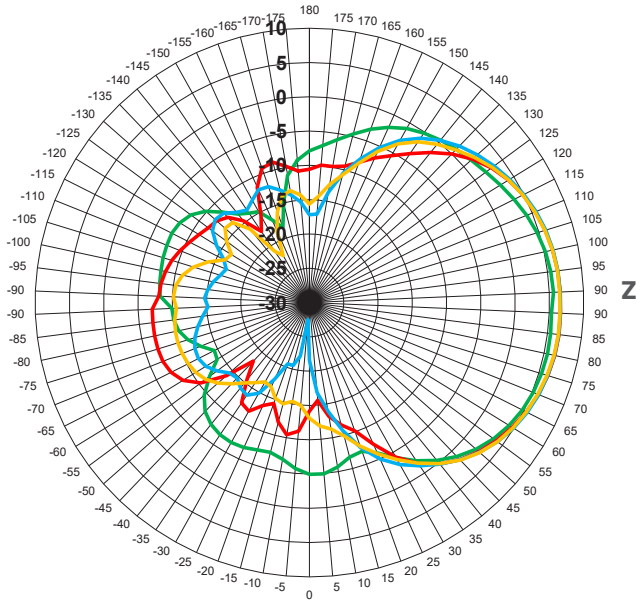
Radiation Patterns, 700-960 MHz

700 MHz 800 MHz 900 MHz 960 MHz

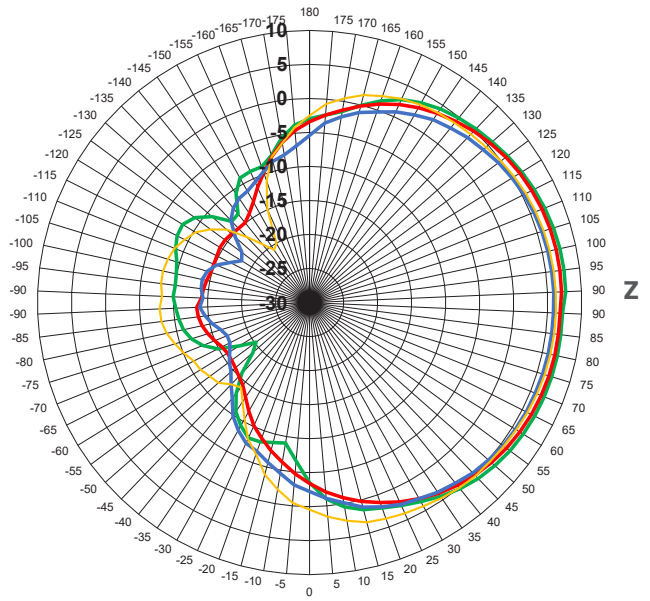
Test Setup



XY Plane



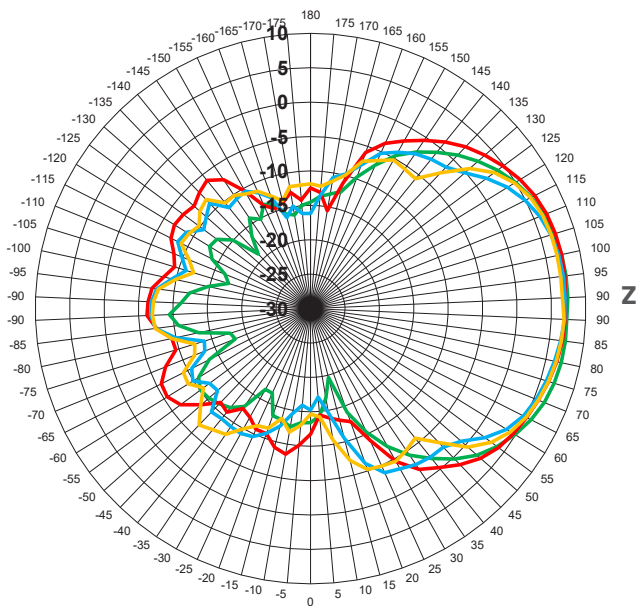
YZ Plane



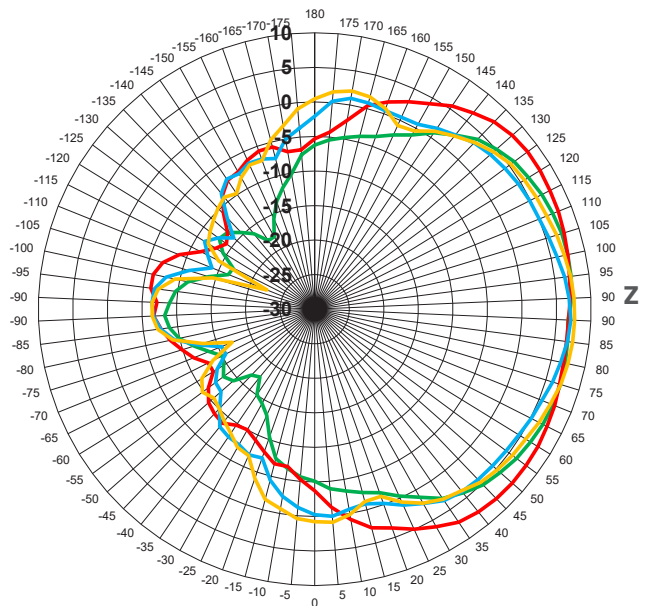
Radiation Patterns, 1700-2200 MHz

1700 MHz 1900 MHz 2100 MHz 2200 MHz

XY Plane



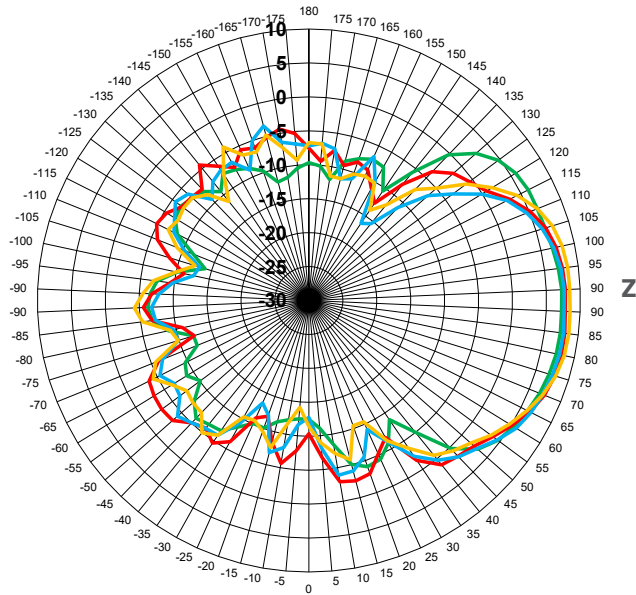
YZ Plane



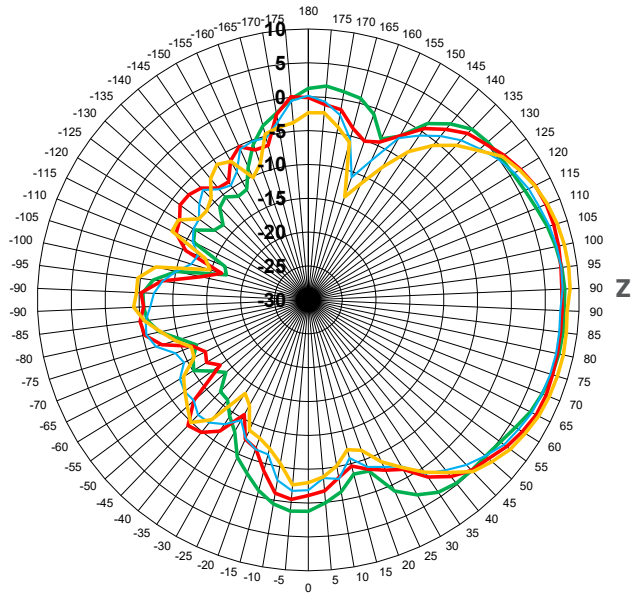
Radiation Patterns, 2300-2700 MHz

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

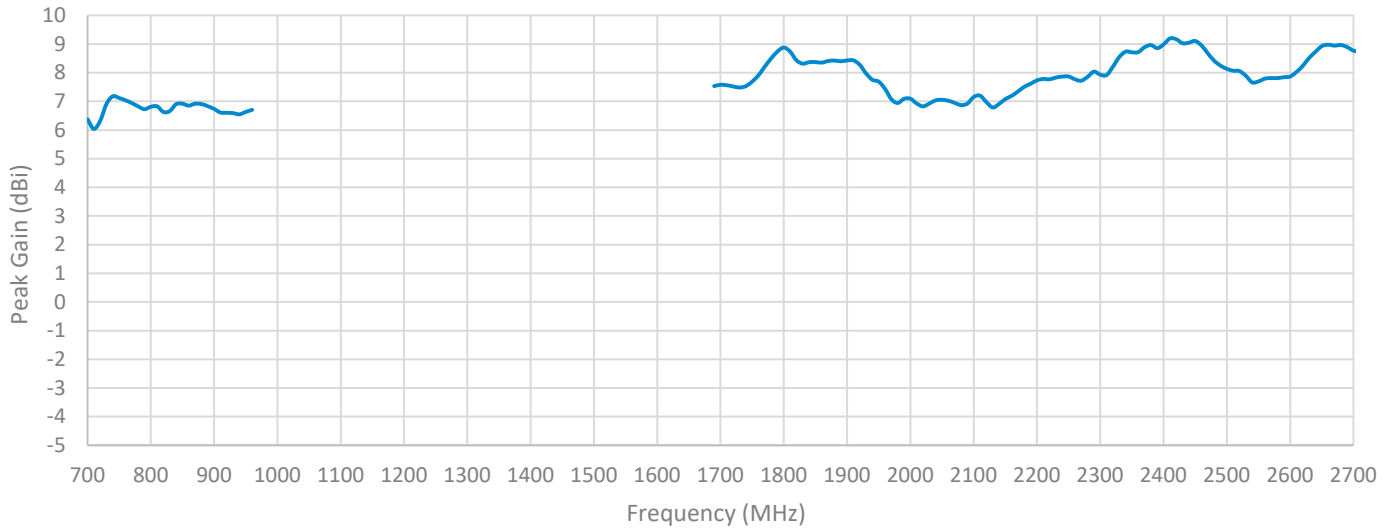
XY Plane



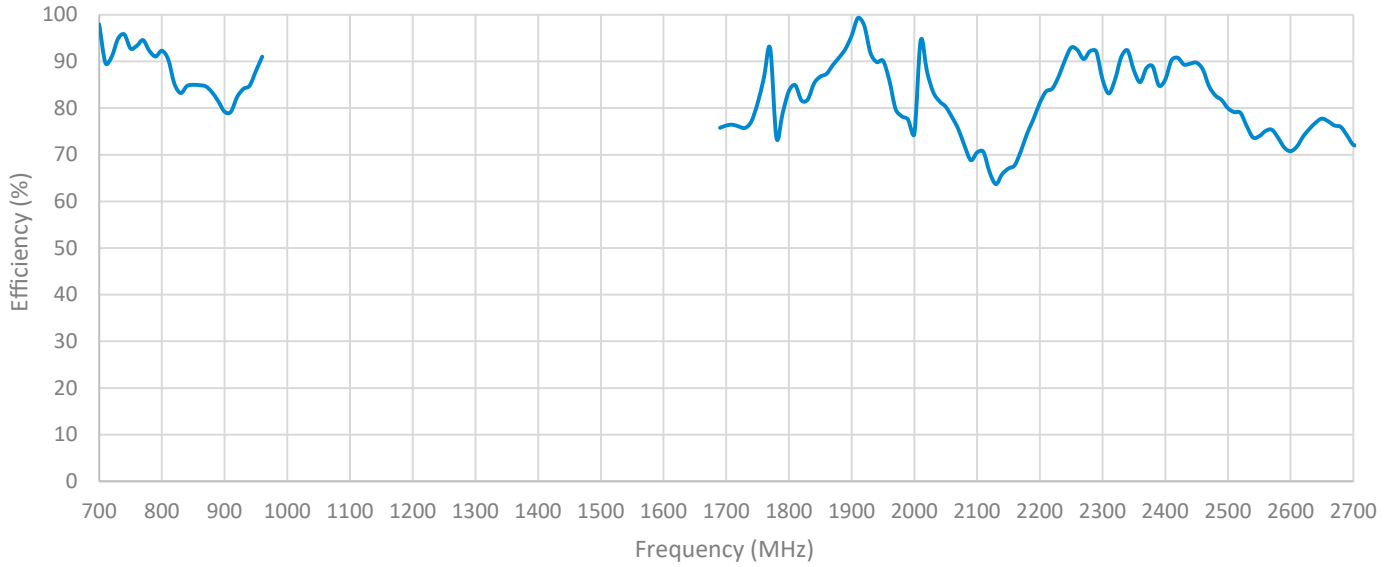
YZ Plane



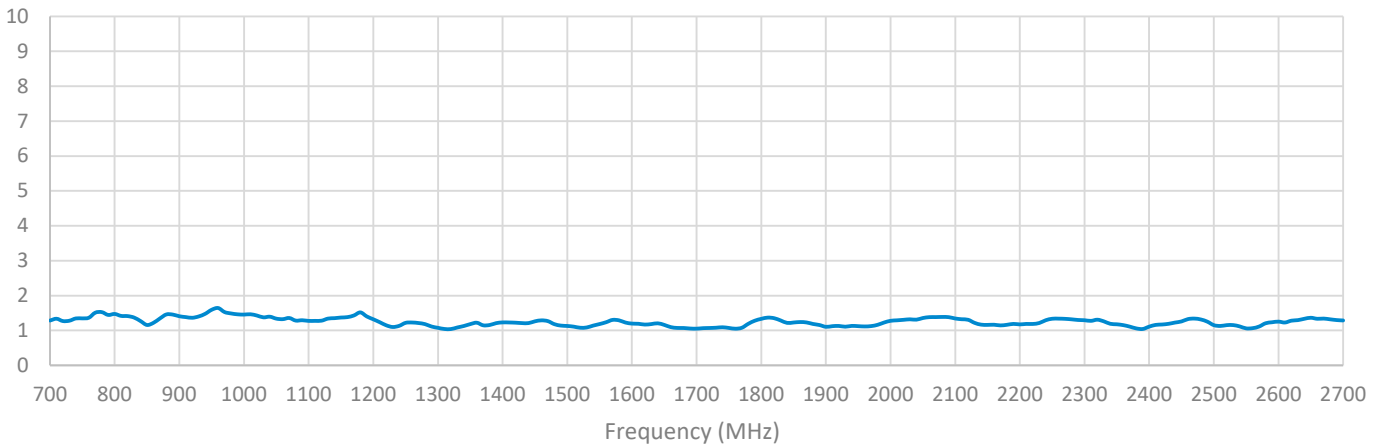
Peak Gain



Efficiency



VSWR

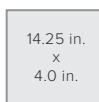


Package Dimensions

5.75 L x 3.5 W x 1.25 H



FRONT



SIDE



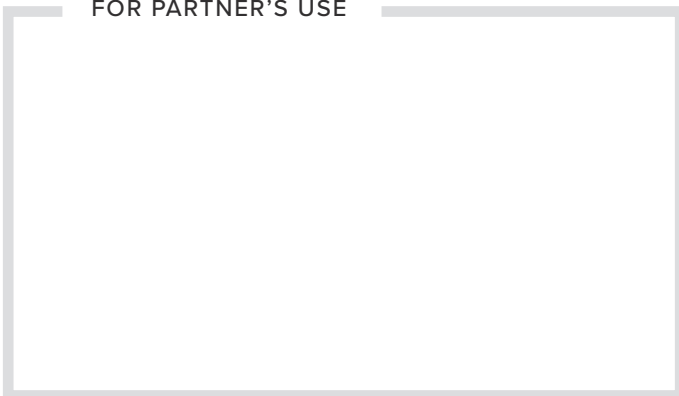
TOP/BOTTOM




WEIGHT

MASTER CARTON: TBD

FOR PARTNER'S USE



Support

 **2 Year Warranty**

Email: support@wilsonelectronics.com

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Monday to Saturday

UPC

