

Wideband Directional Antenna

50 Ohm 600 MHz - 4000 MHz

SKU: 311245

FEATURES

- Supports 600-960 and 1425-4000Mhz
- Works on all worldwide cellular bands for voice and data: 5G/LTE/CDMA/GSM/UMTS/AWS
- High gain antenna for WilsonPro cellular repeater/boosters
- Designed for building exterior installation, direct at cell tower for best signal
- Rugged and waterproof for all weather operation
- Includes mount for 1.5-2.0" poles
- N-female connector
- 3-year warranty



Kit Includes

⚠️ 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



Antenna

Pole Mount & Hardware

Specifications

ELECTRICAL

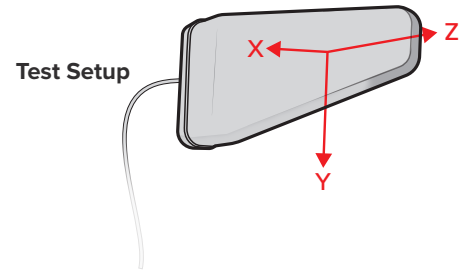
Frequency Band (MHz)	600-617	617-806	806-960	1425-2700	3300-4400
Peak Gain (dBi)	7.0	8.0	9.5	11.0	11.5
VSWR	<2.5	<2.0	<2.0	<1.8	<1.8
Polarization	Vertical				
Front-to-Back Ratio (dB)	≥11	≥15			
Half-Power Azimuth Beamwidth (°)	108°	102°	90°	75°	54°
Half-Power Elevation Beamwidth (°)	98°	83°	66°	58°	42°
PIM, 3rd Order, 2x20W (dBc)	≤-140 -150 -153				

MECHANICAL

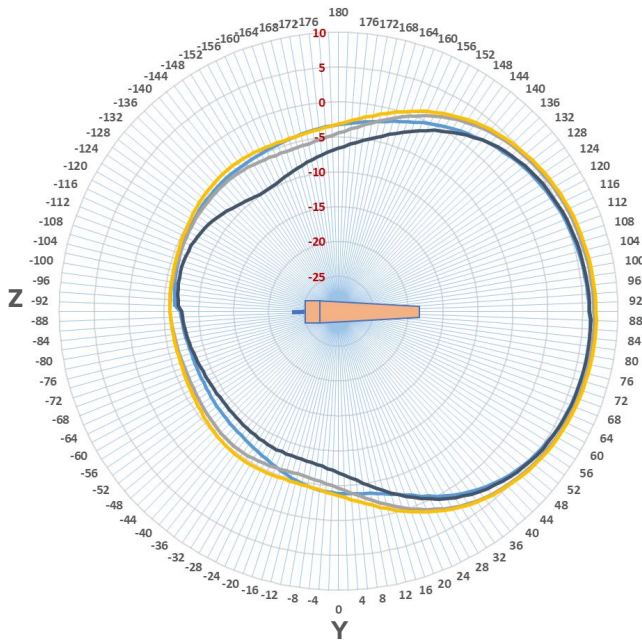
Model	311245
Connector	N - Female
Dimensions (in / mm)	17.3x8.1x2.5 / 439.42x205.74x63.5
Weight (lb / kg)	2.4 / 1.089
Radiator Material	Aluminum
Radome Material	ABS (UV Stabilized)
Rated Wind Velocity (mph / kph)	130 / 209.215
Operating Temperature (°F / °C)	-40 to 149 / -40 to 65
Mounting Pole In	Ø1.5-Ø2.0
Impedance (Ω)	50
Maximum Power (W)	50

Radiation Patterns, 620-680 MHz

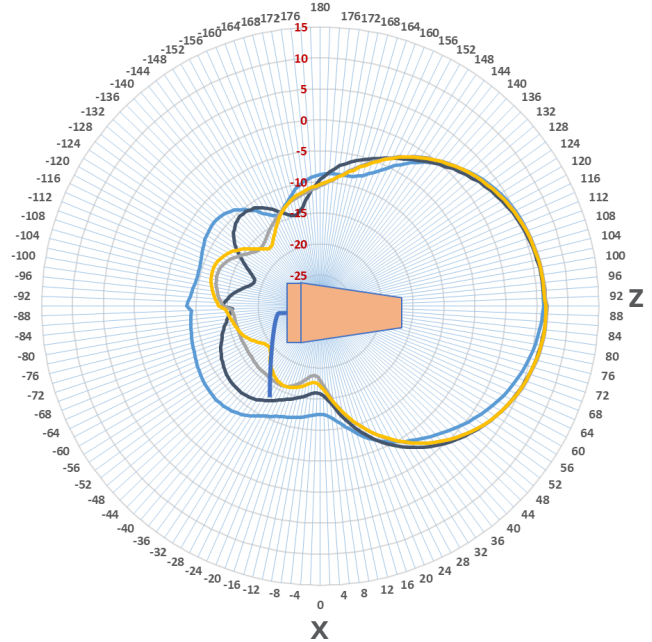
■ 620 MHz ■ 640 MHz ■ 670 MHz ■ 680 MHz



YZ Plane



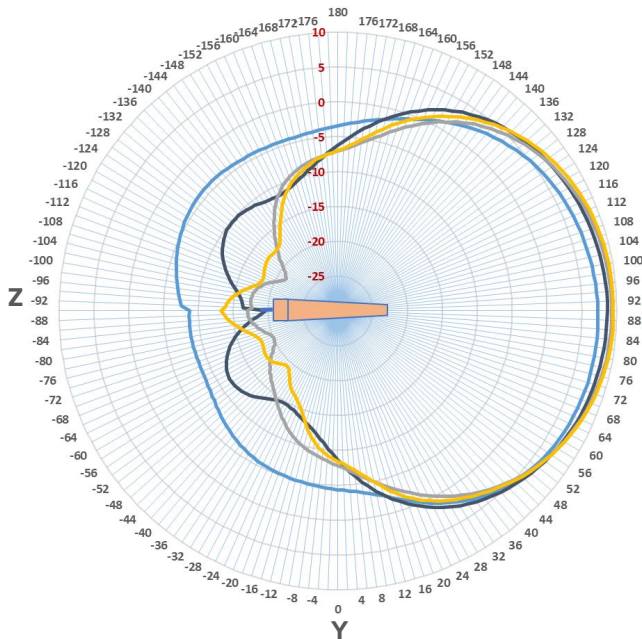
XZ Plane



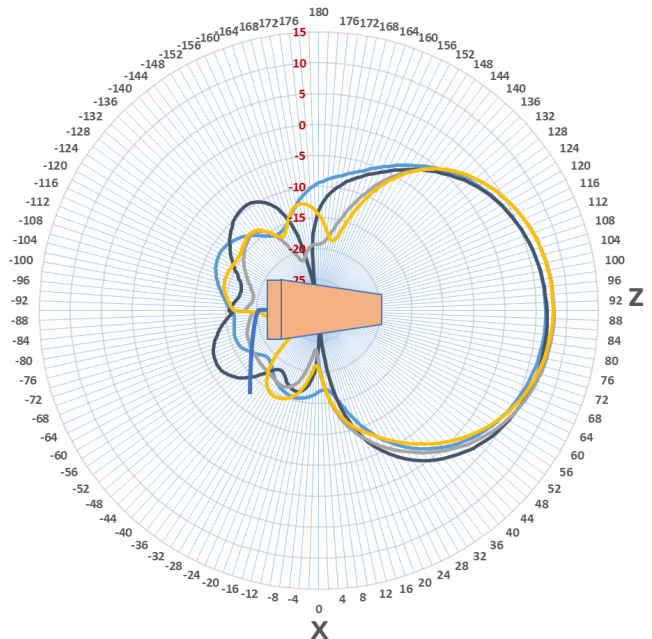
Radiation Patterns, 710-880 MHz

■ 710 MHz ■ 750 MHz ■ 830 MHz ■ 880 MHz

YZ Plane



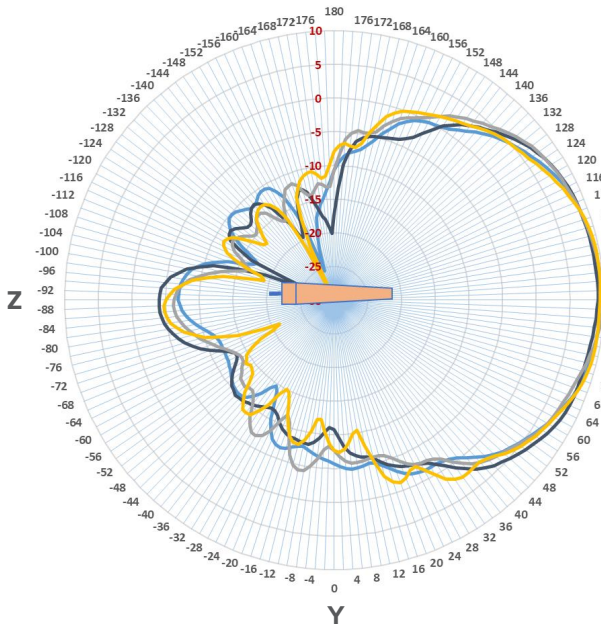
XZ Plane



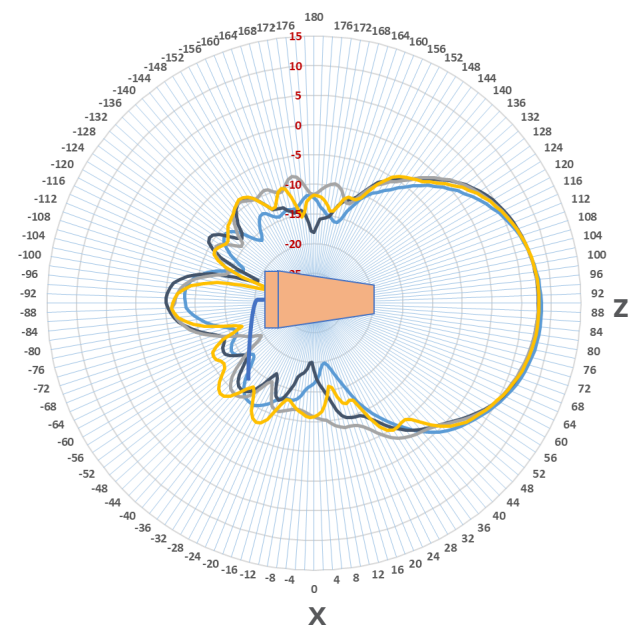
Radiation Patterns, 1730-2130 MHz

1730 MHz 1880 MHz 1960 MHz 2130 MHz

YZ Plane



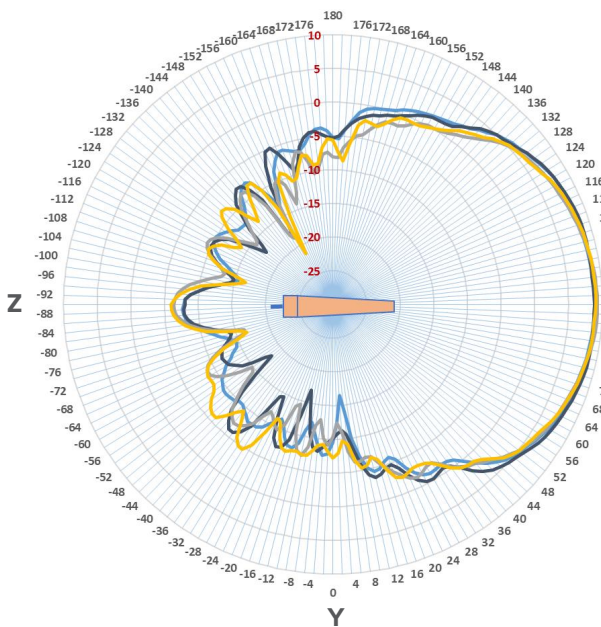
XZ Plane



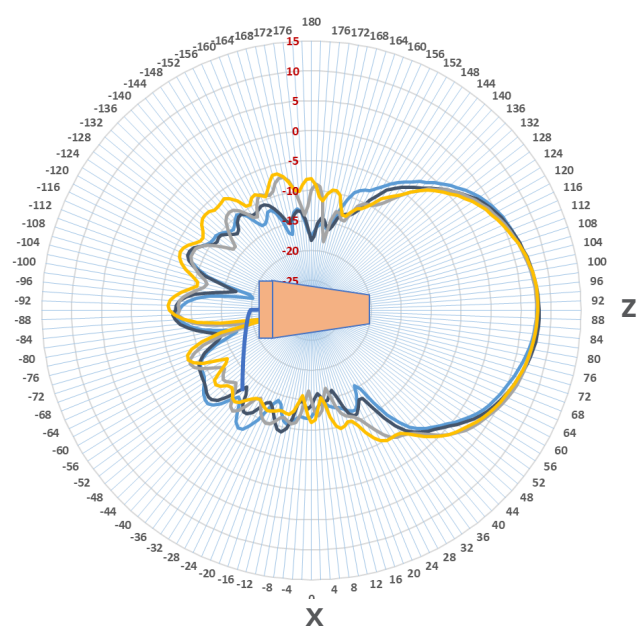
Radiation Patterns, 2310-2650 MHz

2310 MHz 2360 MHz 2540 MHz 2650 MHz

YZ Plane



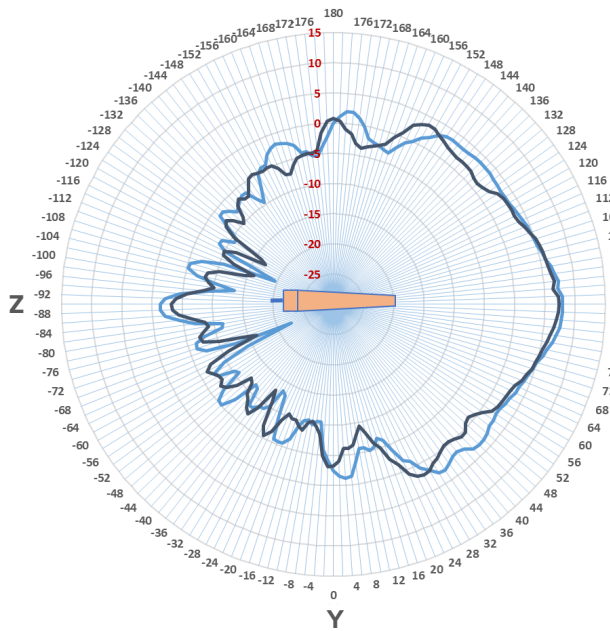
XZ Plane



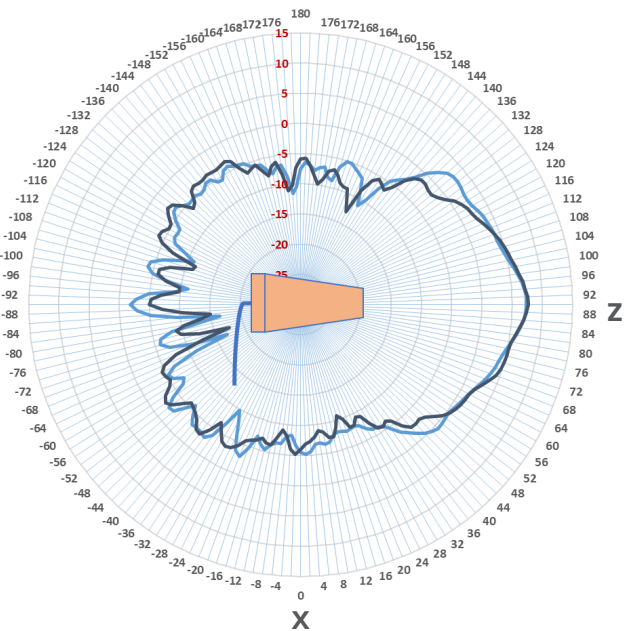
Radiation Patterns, 3700-3980 MHz

■ 3700 MHz ■ 3980 MHz

YZ Plane



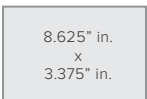
XZ Plane





Package Dimensions

19" L x 8.75" W x 3.25" H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: 18 L x 19.75 W x 18.25 H | 21.5 lbs. | QTY. 10

FOR PARTNER'S USE

Support

3 Year Warranty from Registration

US Web: wilsonconnectivity.com

US Phone: +1 800 871 1612

INTL Phone: +44 1223 982031

* **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

ASSEMBLED IN THE USA



UPC

