

# Ceiling Mount Dome Antenna

## 50 Ohm 600 MHz - 4000 MHz

SKU: 311242

### 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 interior installation
- 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](http://www.P65Warnings.ca.gov)



Antenna & Wall Mount Bracket with Hardware

### Specifications

#### ELECTRICAL

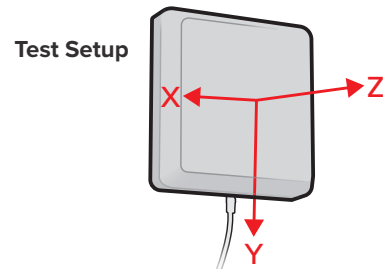
| Frequency Band (MHz)               | 600-617             | 617-806 | 806-960 | 1425-2700 | 3300-4000 |
|------------------------------------|---------------------|---------|---------|-----------|-----------|
| Peak Gain (dBi)                    | 1.3                 | 2.0     | 2.0     | 5.0       | 5.5       |
| VSWR                               | <2.0                |         |         |           |           |
| Polarization                       | Vertical            |         |         |           |           |
| Half-Power Azimuth Beamwidth (°)   | 360                 |         |         |           |           |
| Half-Power Elevation Beamwidth (°) | 102                 | 85      | 80      | 54        | 28        |
| Impedance (Ω)                      | 50                  |         |         |           |           |
| Max Power (W)                      | 50                  |         |         |           |           |
| PIM, 3rd Order, 2x20W (dBc)        | ≤-140   -150   -153 |         |         |           |           |

#### MECHANICAL

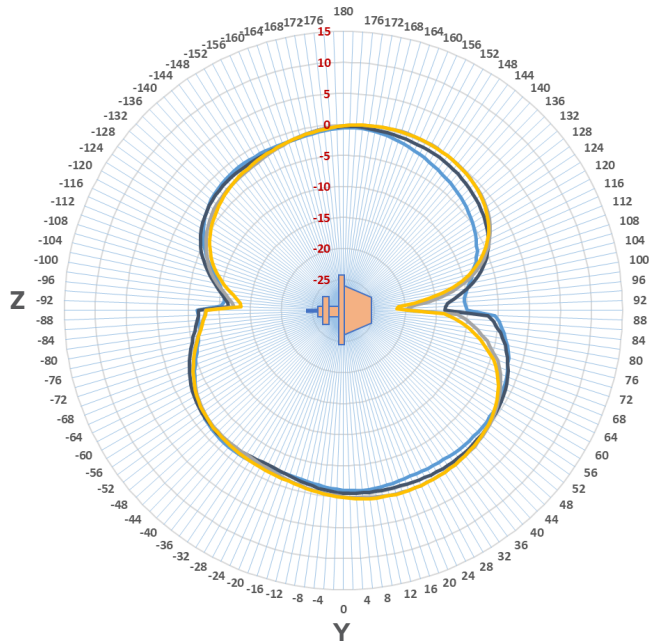
|                                 |                                 |
|---------------------------------|---------------------------------|
| Model                           | 311242                          |
| Connector                       | N - Female                      |
| Dimensions (in / mm)            | 7.3x3.32 / 185.42x 84.33        |
| Weight (lb / kg)                | .55 / .4                        |
| Radiator Material               | Aluminum                        |
| Radome Material                 | ABS (UV Stabilized)             |
| Operating Temperature (°F / °C) | -40 to 150 / -40 to 65.6        |
| Mounting                        | Ceiling Mount for Drop Ceilings |

## Radiation Patterns, 620-681 MHz

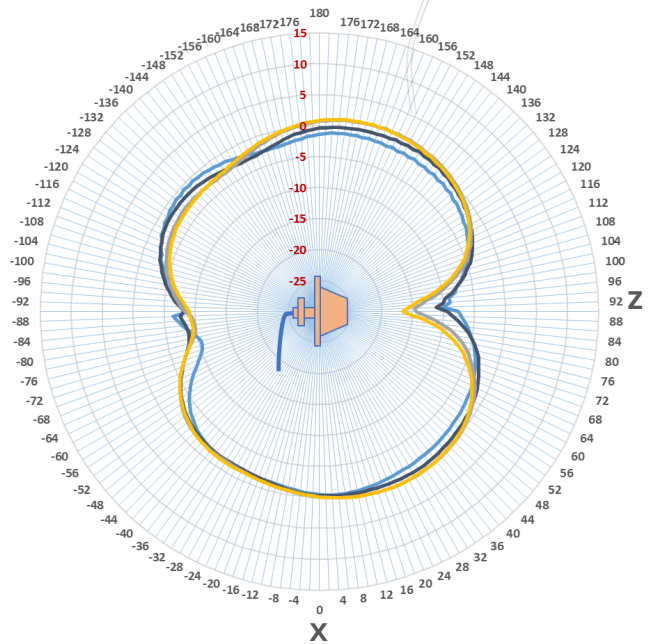
■ 620 MHz   ■ 640 MHz   ■ 670 MHz   ■ 680 MHz



**YZ Plane**



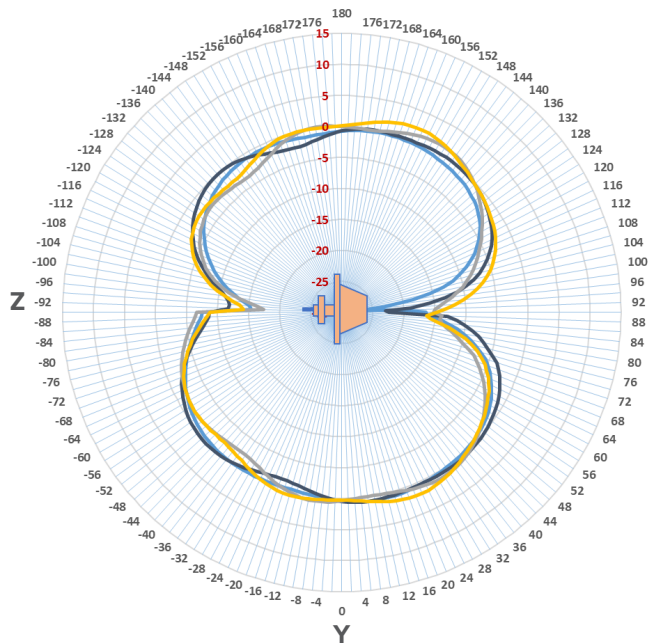
**XZ Plane**



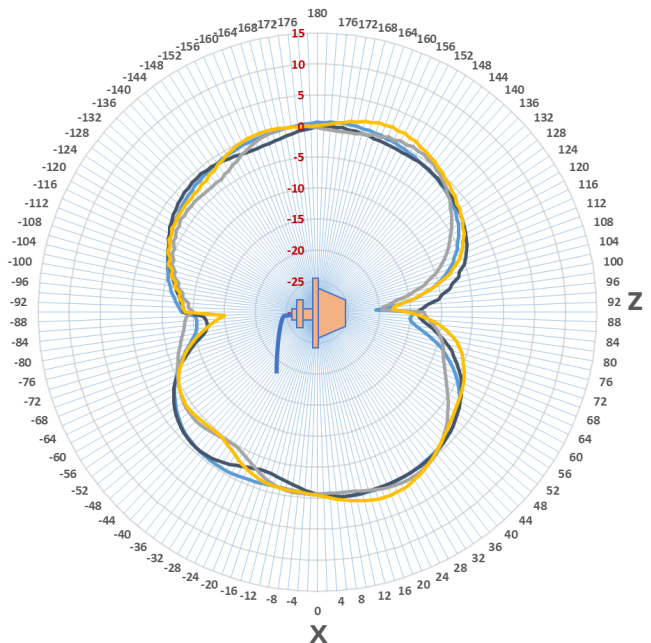
## Radiation Patterns, 710-880 MHz

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

**YZ Plane**



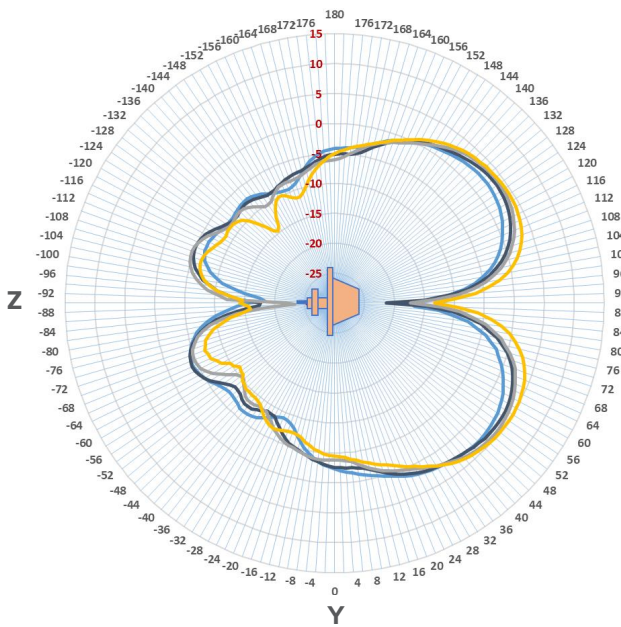
**XZ Plane**



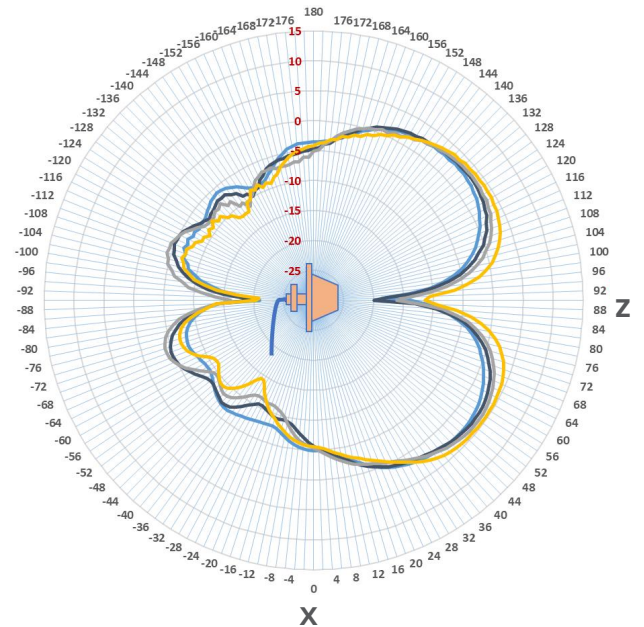
## Radiation Patterns, 1730-2130 MHz

■ 1730 MHz ■ 1880 MHz ■ 1960 MHz ■ 2130 MHz

YZ Plane



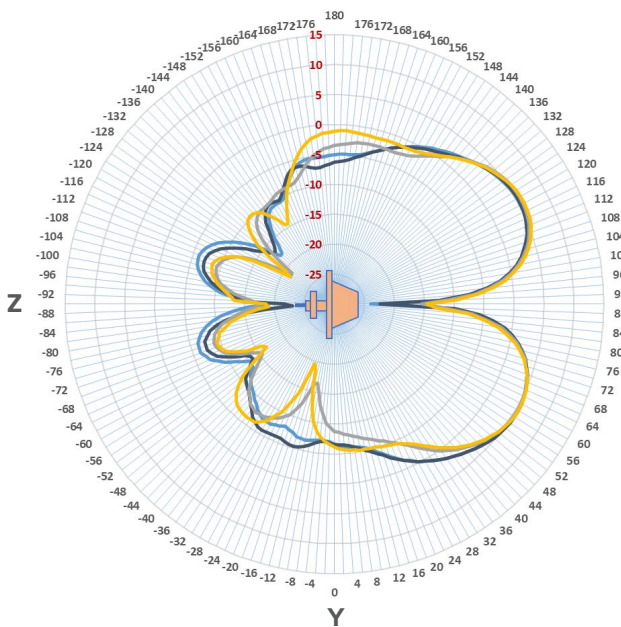
XZ Plane



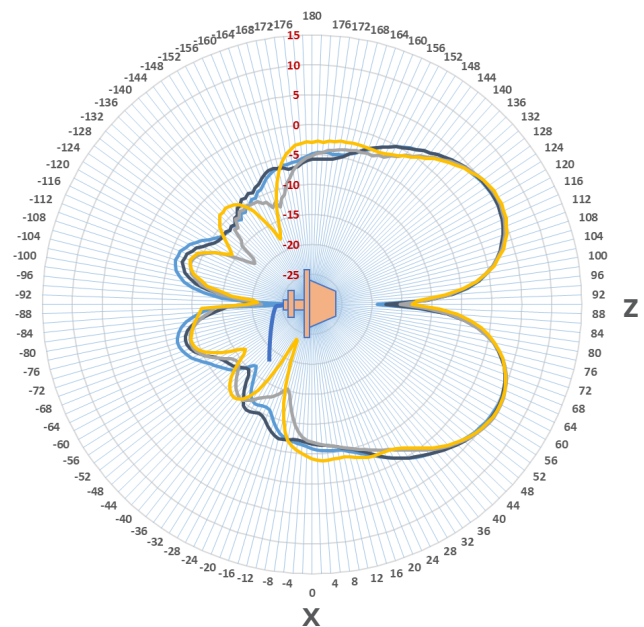
## Radiation Patterns, 2310-2650 MHz

■ 2310 MHz ■ 2360 MHz ■ 2540 MHz ■ 2650 MHz

YZ Plane



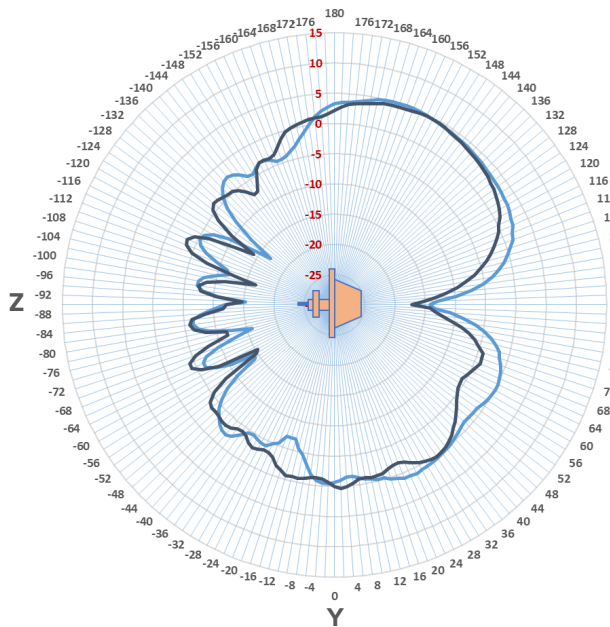
XZ Plane



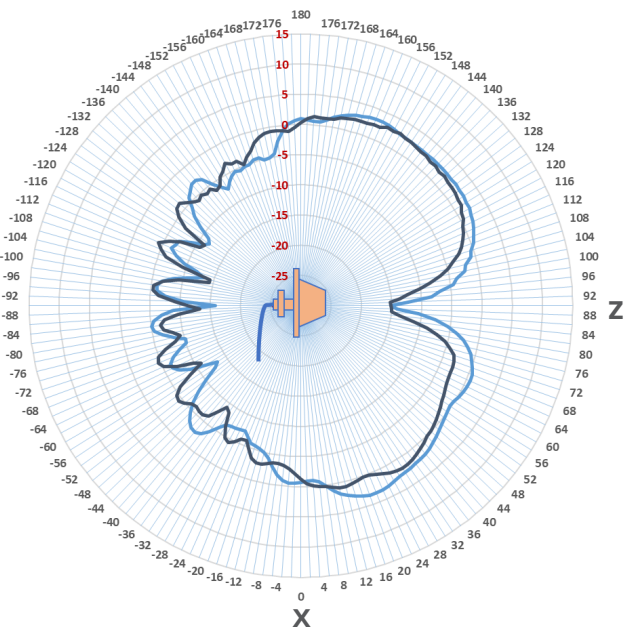
# Radiation Patterns, 3700-3980 MHz

■ 3700 MHz    ■ 3980 MHz

YZ Plane



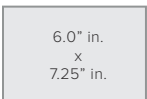
XZ Plane





## Package Dimensions

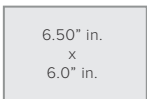
6.50" L x 6.0" W x 7.25" H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

**MASTER CARTON:** 13.75" L x 30.75" W x 15.25" H | 14.9 lbs. | QTY. 20

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](http://www.P65Warnings.ca.gov).

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