

# Drive OTR Antenna

**SKU:** 311229

**MAP:** \$99.99

## FEATURES

- Covers 700, 800, 1700, 1900, 2200 MHz cellular
- All modes, voice and data
- High gain signal output
- Antenna can be configured into multiple lengths from 7.5-40 in.
- Off-road rated to MIL-STD 810H for shock and vibration
- Works with standard CB antenna mounts, includes 3-way mirror rail mount
- Connects to mobile cellular boosters
- IP66 rated for outdoor use
- Assembled in USA
- 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)

## Specifications

### ELECTRICAL

Frequency Band (MHz)	698-806	806-960	1710-1880	1850-1990	1910-2170	2300-2700
Peak Gain (dBi)	2.4	2.6	3.8	3.8	3.7	4.3
Gain (dBi), typical @ 2° Elevation	1.4	2.4	3.1	2.7	2.4	2.6
Cable loss LMR-195 15 ft.	1.8	1.9	2.8	2.9	3.0	3.3
Efficiency (%)	>70%		>65%			
VSWR	<2:1			<2:1		
Polarization	Vertical					
Half-Power Azimuth Beamwidth (°)	360	360	360	360	360	360
Half-Power Elevation Beamwidth (°)	70	78	60	70	80	33
Impedance (Ω)	50					
Max Power (W)	10					



## Kit Includes



Spring, Side Exit Adapter, Thread Lock & 3-Way Antenna Mount

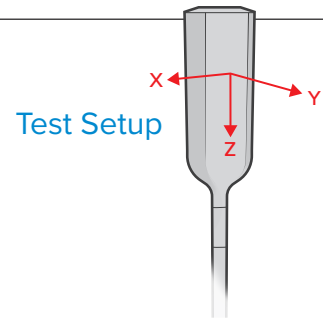
Outside Antenna, 13 in. & 18 in. Mast Extension

### MECHANICAL

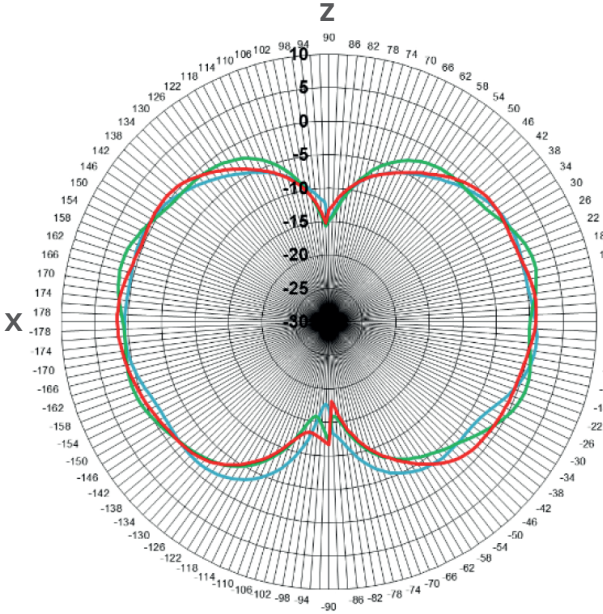
Model	311230
Connector	SMA Male / SMB Plug
Feed Cable Length (in / mm)	30 / 762
Dimensions (in / mm)	7.422x2.688 / 188x68
Packaged Dimensions (in / mm)	8.28x20.27x3.93 / 210x515x100
Packaged Weight (lb / kg)	3.61 / 1.6
Wind Loading Area (ft <sup>2</sup> /m <sup>2</sup> )	.246 ft <sup>2</sup> / .0229m <sup>2</sup>
Rated Wind Velocity (mph/kph)	311 mph / 500km/h
Radiator Material	Aluminum
Radome Material	Alumin Plastic Type: ASA (Acrylonitrile Styrene Acrylate)

## Radiation Patterns, 700-900 MHz

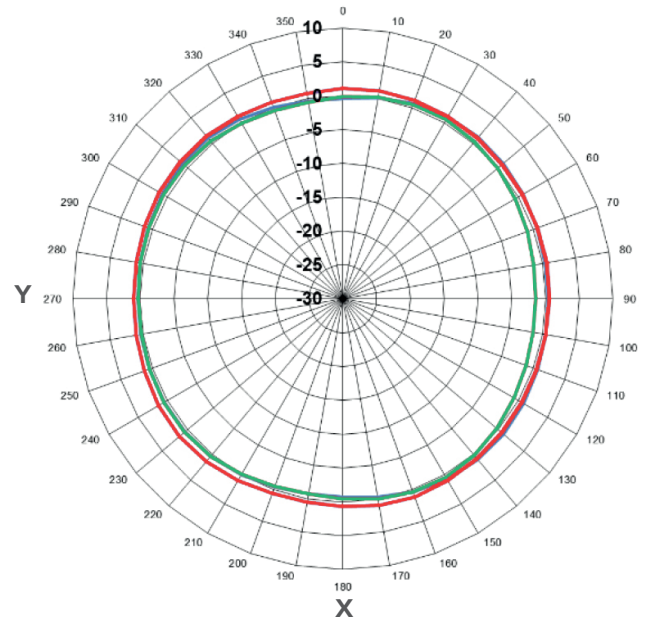
700 MHz    800 MHz    900 MHz



E Plane



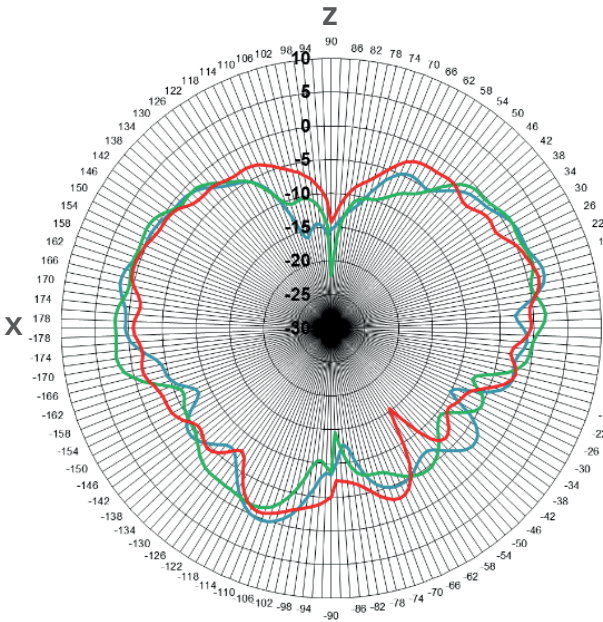
H Plane



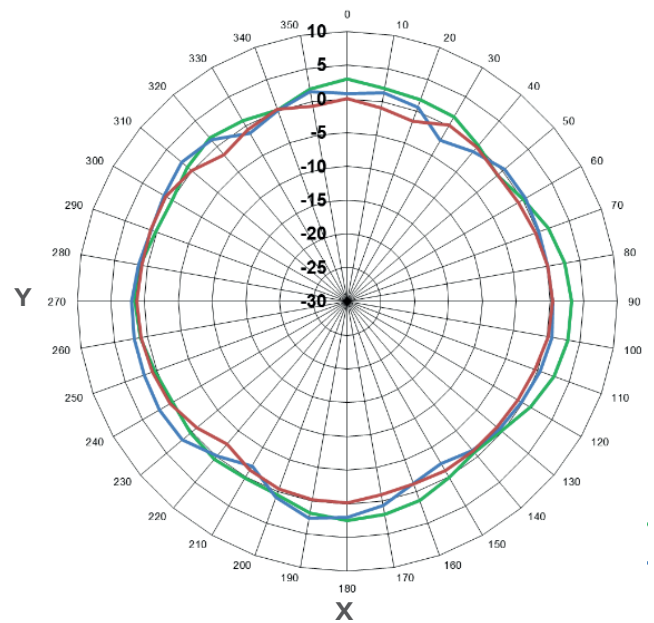
## Radiation Patterns, 1700-2100 MHz

1700 MHz    1900 MHz    2100 MHz

E Plane



H Plane

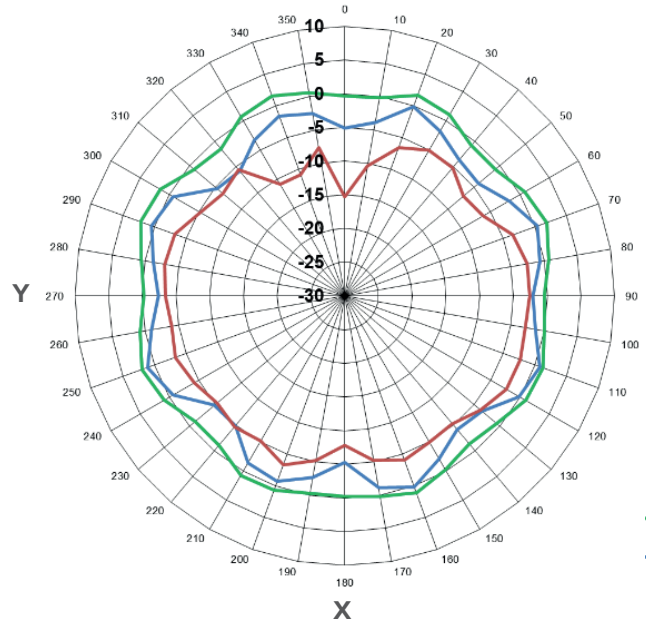
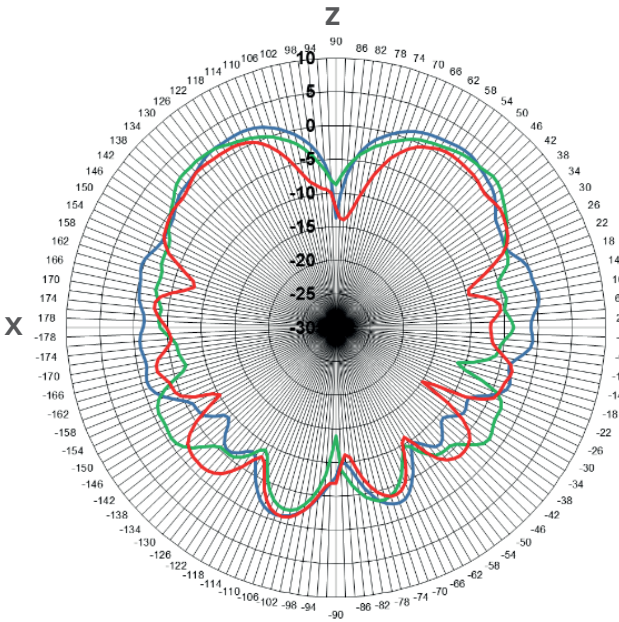


# Radiation Patterns, 2300-2700 MHz

■ 2300 MHz   
 ■ 2500 MHz   
 ■ 2700 MHz

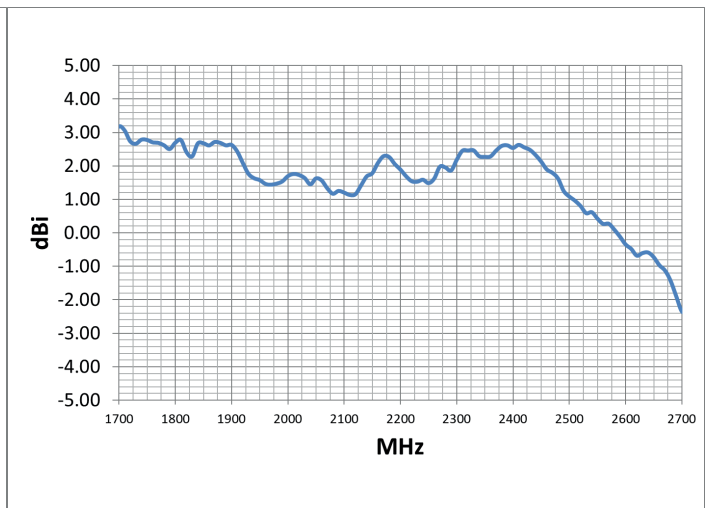
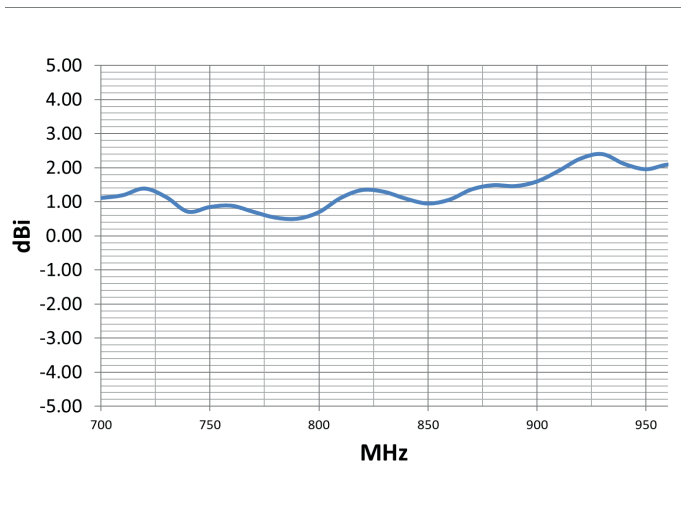
E Plane

H Plane

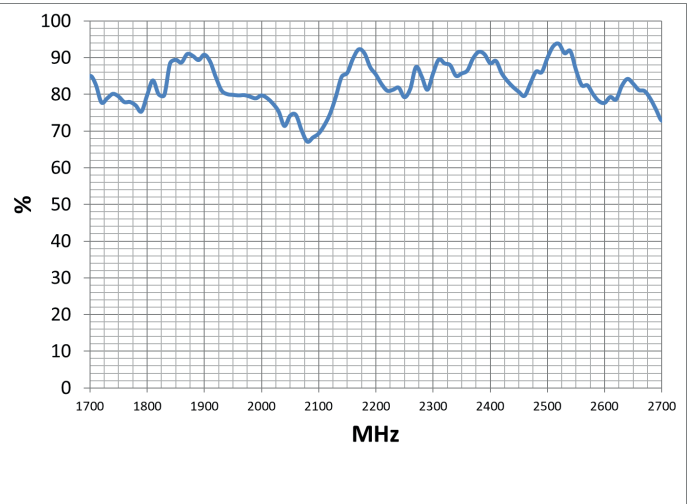
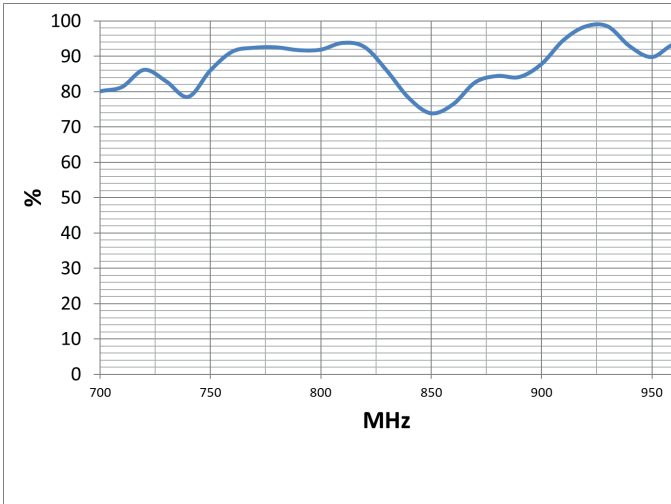


Note: Gain values at 2° elevation indicated are without cable loss. Please refer to the electrical specs chart to include cable losses.

## Peak Gain (@ 2° Elevation)



## Efficiency (%)



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## Package Dimensions

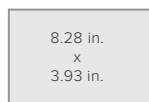
8.28 W x 20.27 L x 3.93 D



FRONT



SIDE




TOP/BOTTOM



WEIGHT

## 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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