

# OVERLAND ANTENNA WITH MOUNTING BRACKET

**SKU:** 311249    **MAP:** \$199.99

## FEATURES

- 700, 800, 1700, 1900, and 2200 MHz cellular bands.
- Seamlessly connects to weBoost mobile boosters.
- Includes an articulating mount for easy installation on trucks, vans, and SUVs.
- Ensures reliable voice and data connectivity.
- Delivers strong signal input in remote areas.
- MIL-STD 810H rated for shock and vibration durability.
- IP66-rated for outdoor use, protecting against dust and water.



## KIT INCLUDES



Outside Antenna,  
16 ft. Cable & Heat  
Shrink Tube



13 in. Mast Ext., Side-Exit Adapter,  
Spring, Stabilizer Arm, Zip Tie &  
Thread Lock Pack



Overland Mounting Bracket  
& Mounting Hardware

## ELECTRICAL

Freq. 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					

## MECHANICAL

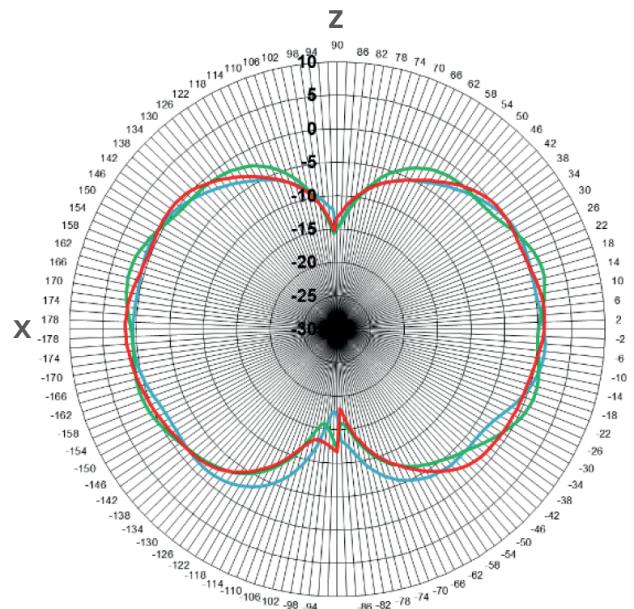
Model	311230
Connector	SMA Male / SMB Plug
Feed Cable Length (ft/m)	16 / 4.8
Dimensions (in / mm)	7.422×2.688 / 188×68
Packaged Dimensions(in/mm)	8.28×20.27×3.93 / 210×515×100
Packaged Weight (lb/kg)	3.61 / 1.6
Wind Loading Area (ft <sup>2</sup> /m <sup>2</sup> )	.246 ft <sup>2</sup> / .0229m <sup>2</sup>
Rated Wind Velocity (mph/kph)	311 mph / 500km/h
Radiator Material	Aluminum
Radome Material	Alumin Plastic Type: ASA (Acrylonitrile Styrene Acrylate)

**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)

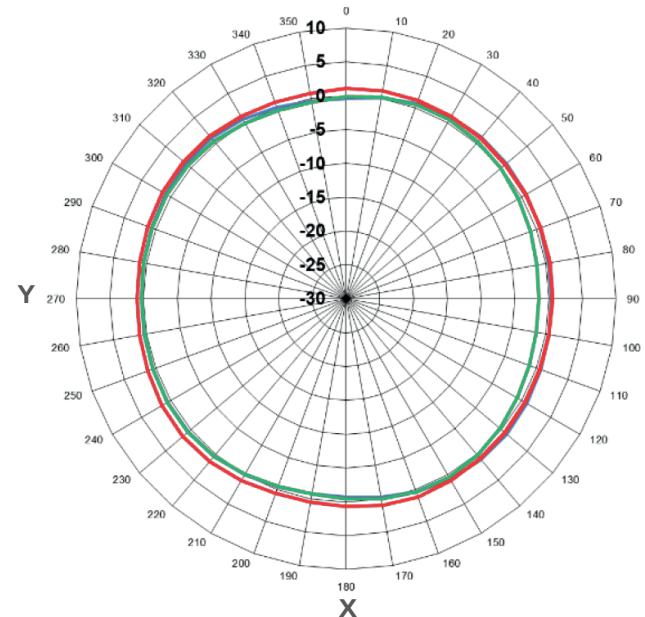
**Radiation Patterns, 700-900 MHz**

■ 700 MHz ■ 800 MHz ■ 900 MHz

E Plane



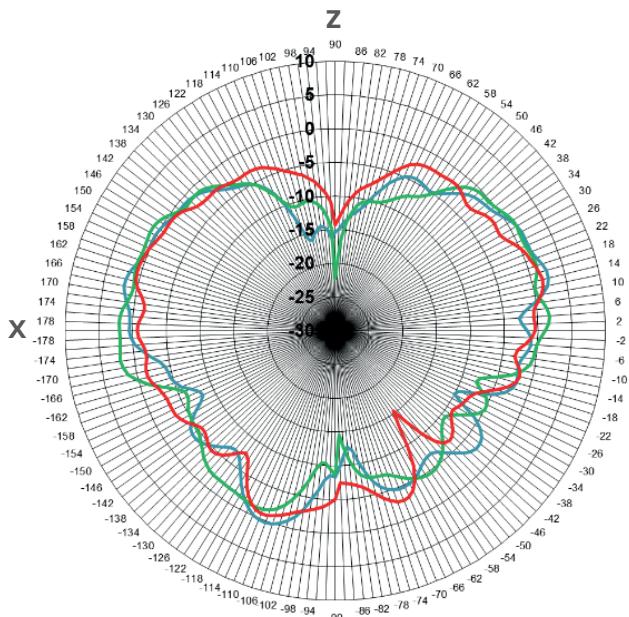
H Plane



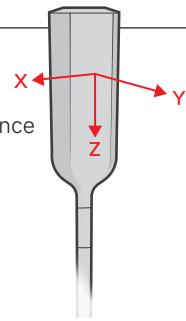
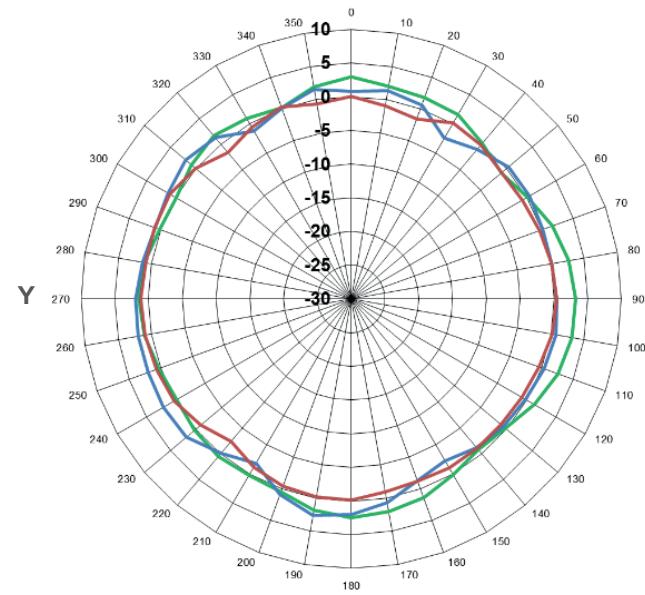
**Radiation Patterns, 1700-2100 MHz**

■ 1700 MHz ■ 1900 MHz ■ 2100 MHz

E Plane



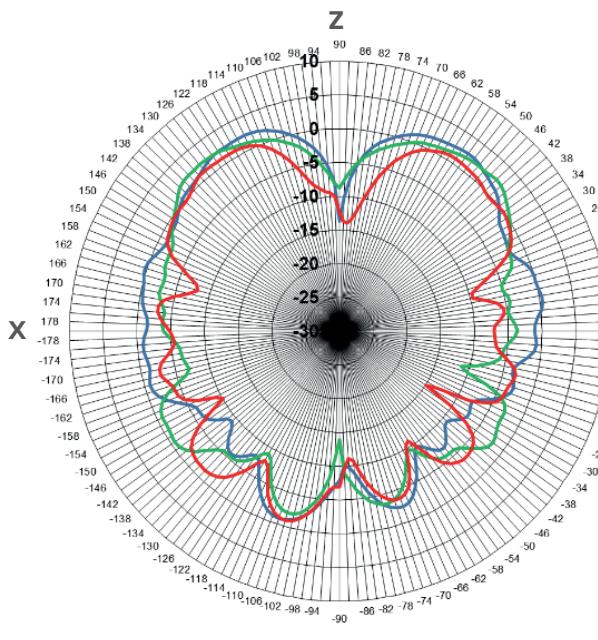
H Plane



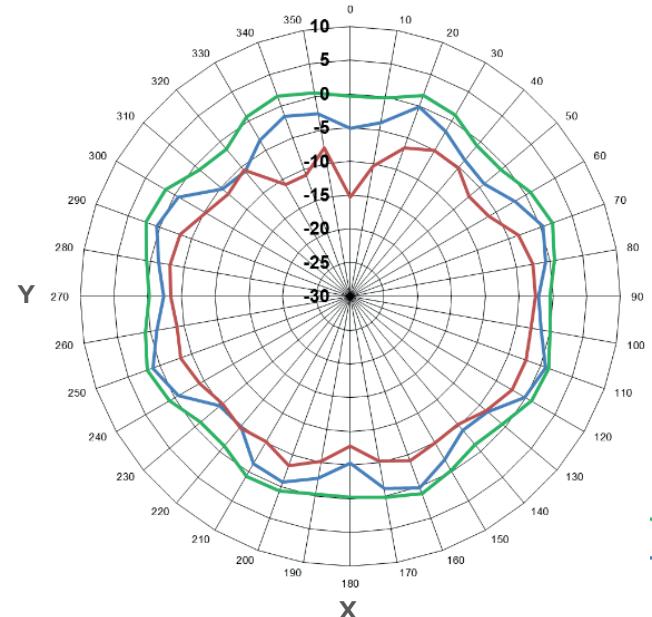
### Radiation Patterns, 2300-2700 MHz

■ 2300 MHz ■ 2500 MHz ■ 2700 MHz

E Plane

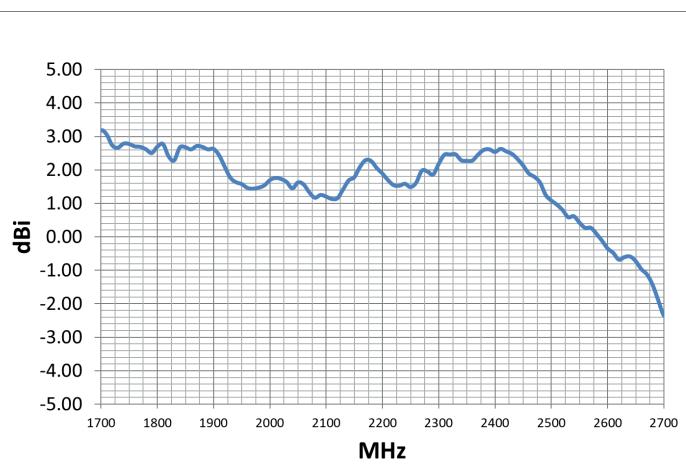
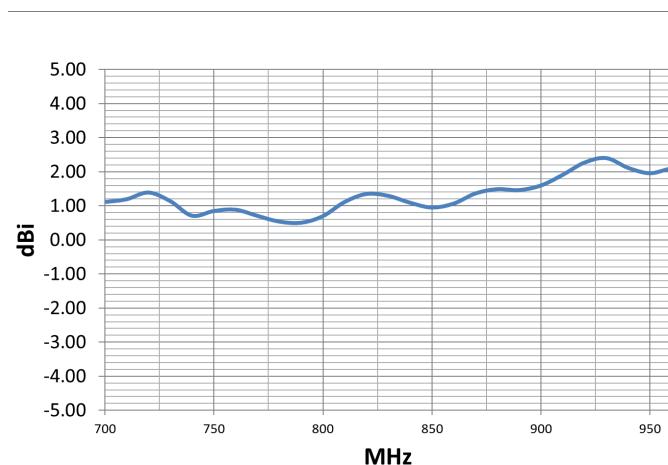


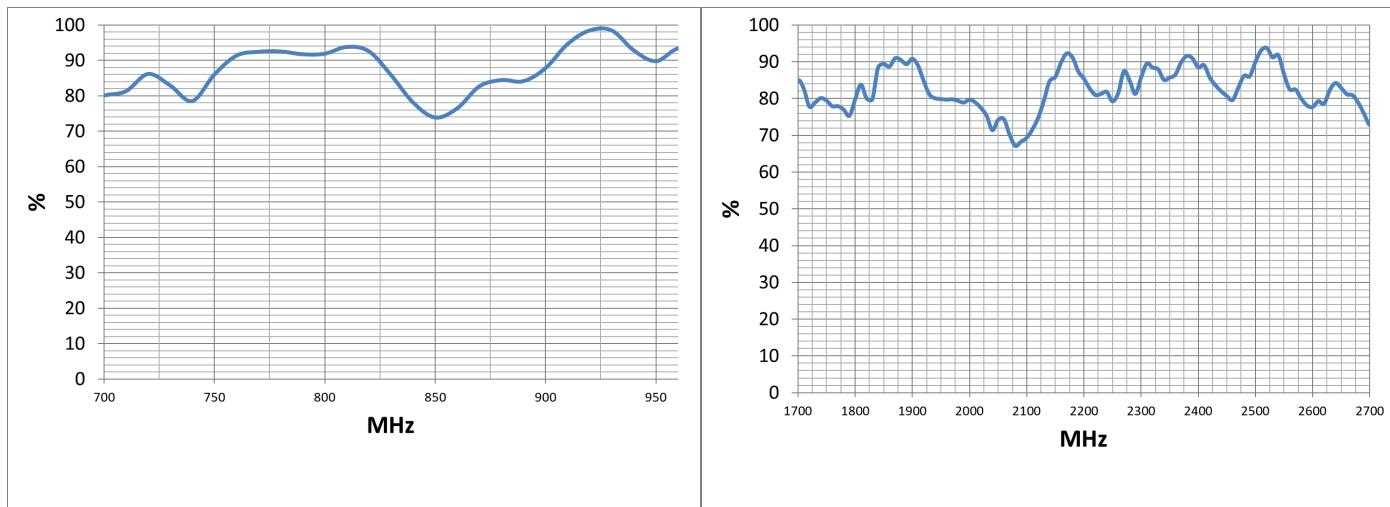
H Plane



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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**SUPPORT**

2-Year Warranty from Purchase.

**UPC**

311249



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