

# 4G In-Vehicle Server Antenna

SKU: 314401

## FEATURES

- Works on all worldwide cellular bands for voice and 4G data: LTE/CDMA/GSM/UMTS/AWS
- High performance for weBoost cellular repeater-boosters
- Supports 4G LTE, 3G & 2G
- Designed for in-vehicle installation
- High efficiency & compact design
- UV stable white sealed radome
- Rugged & waterproof for all weather operation
- Simple install
- Ground plane independent
- 2-year warranty

## Kit Includes



4G In-Vehicle  
Server Antenna



Velcro Adhesive  
Strip



Adhesive  
Strip



Alcohol  
Wipe



## Specifications

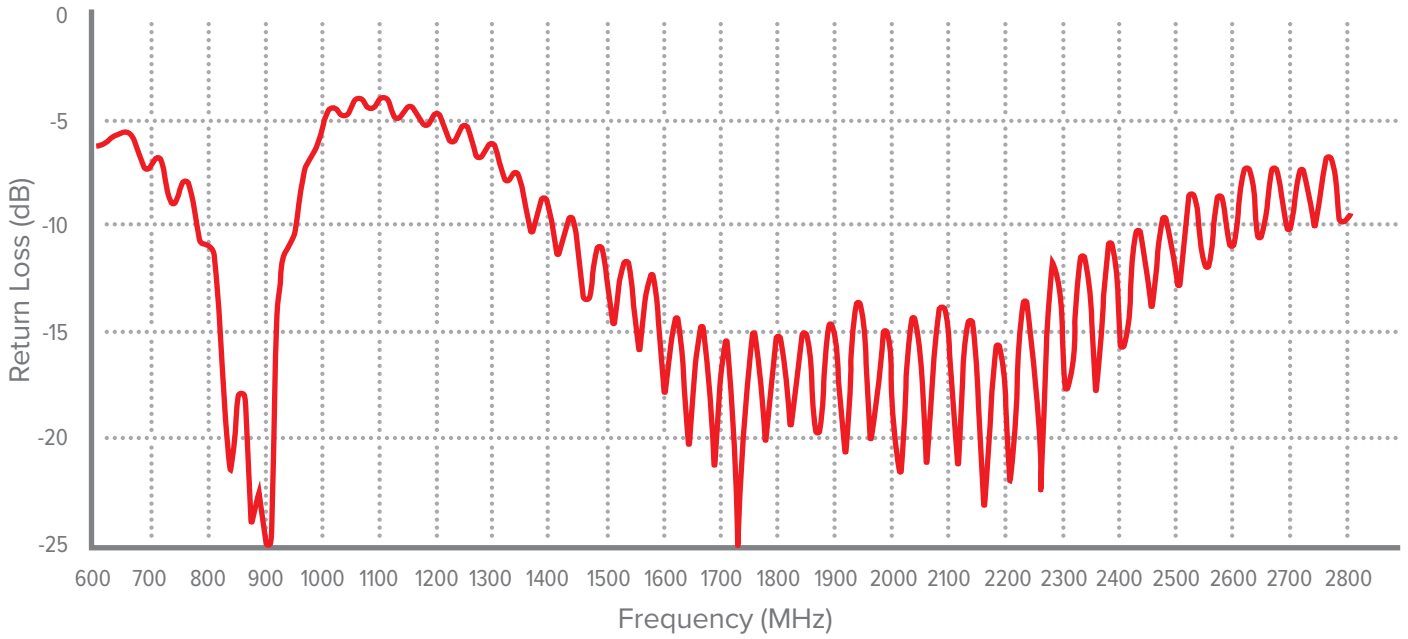
### ELECTRICAL

Frequency Band (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~-13.1	~-16.7	~-11.6
VSWR	~1.9:1	~1.4:1	~1.8:1
Efficiency (%)	~59	~55	~31
Peak Gain (dBi)	~3.4	~2.1	~1.0
Average Peak Gain (dBi)	~-2.3	~-2.5	~-5.1
Impedance (Ohm)	50		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max Power	25W		
Cable Type (ft.)	LMR100		
Cable Length	10		

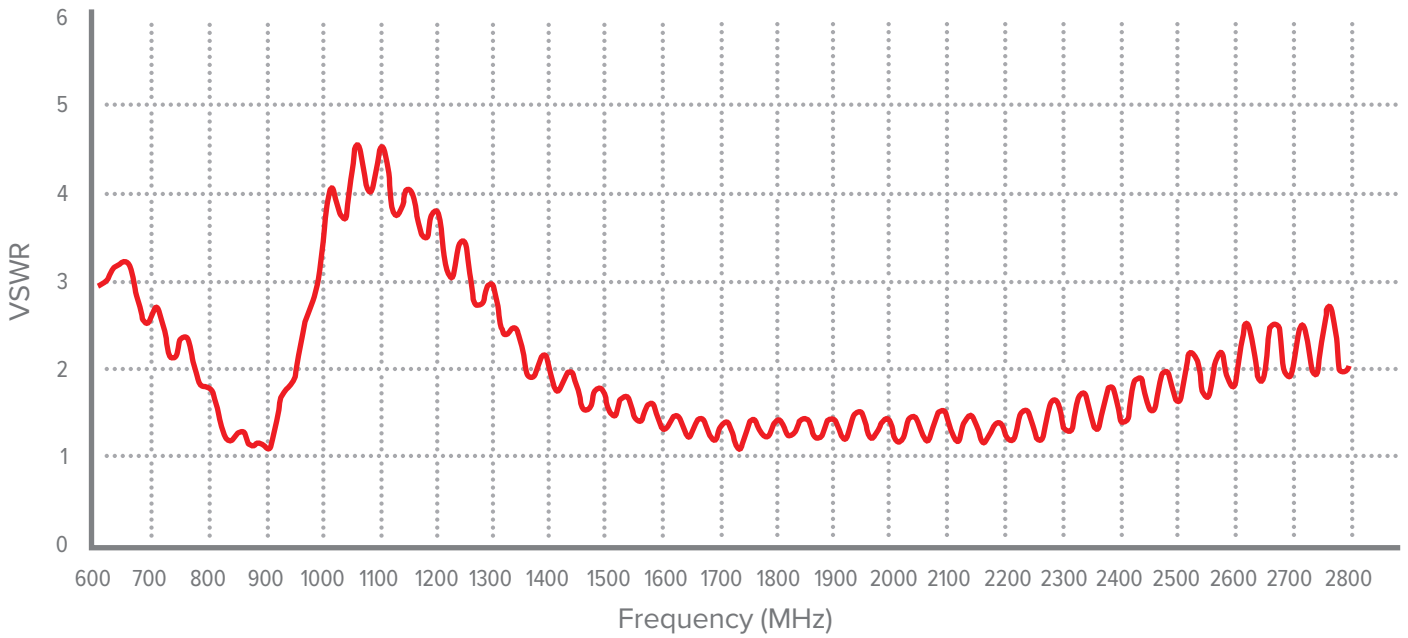
### MECHANICAL

Model	314401
Connector	SMA-Male
Dimensions (in/ mm)	3.2 x 1.4 x .5 / 83 x 35 x 13.3
Antenna weight (lb / kg)	0.23 / 0.104
Packing weight (lb / kg)	0.86 / 0.39
Mounting	Velcro / Adhesive
Radome Material	ABS Anti UV
Radome Color	Black
Water Resistance	IPX Weather Rated
Operating temperature (°C/ F°)	-40 to +85 / -40 to +185
Substance Compliance	RoHS

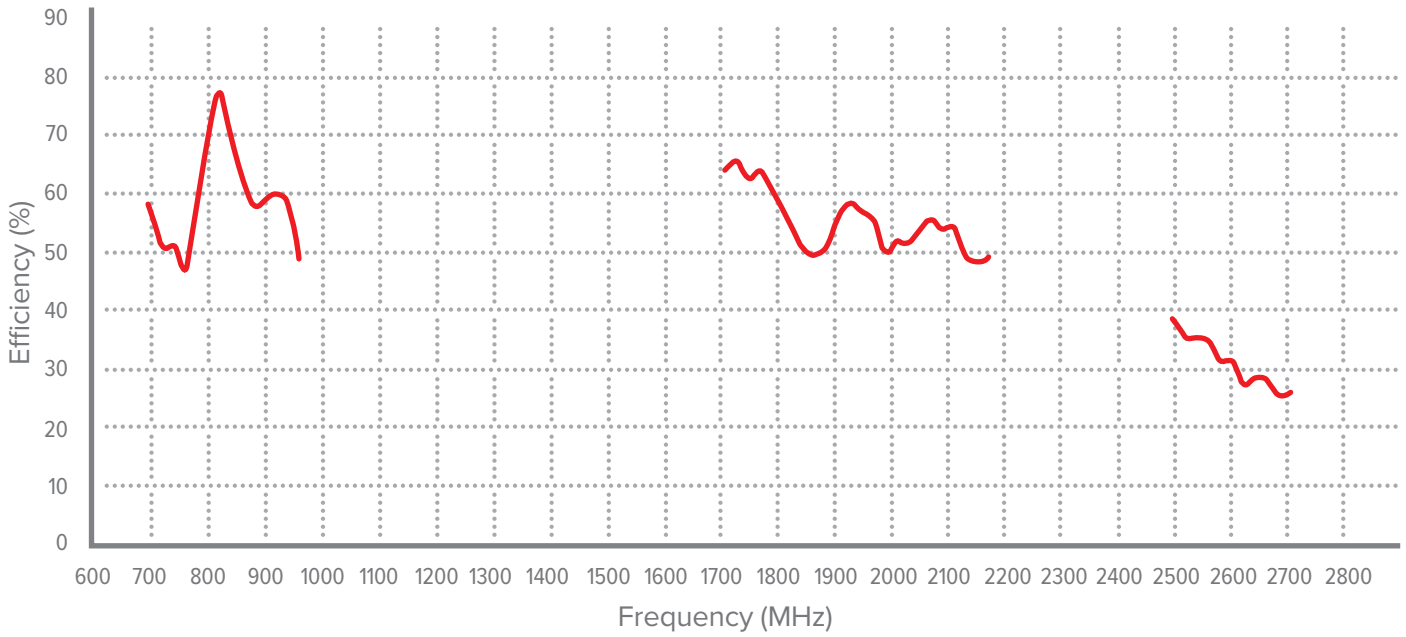
## Return Loss



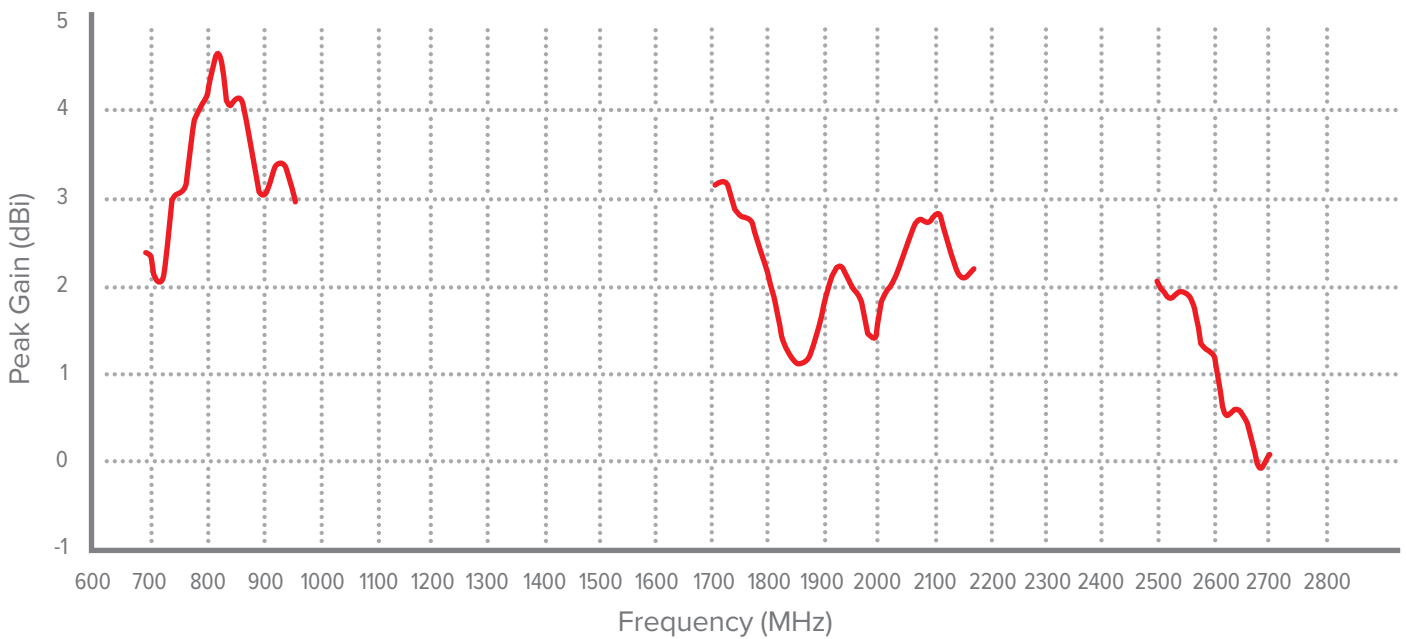
## VSWR



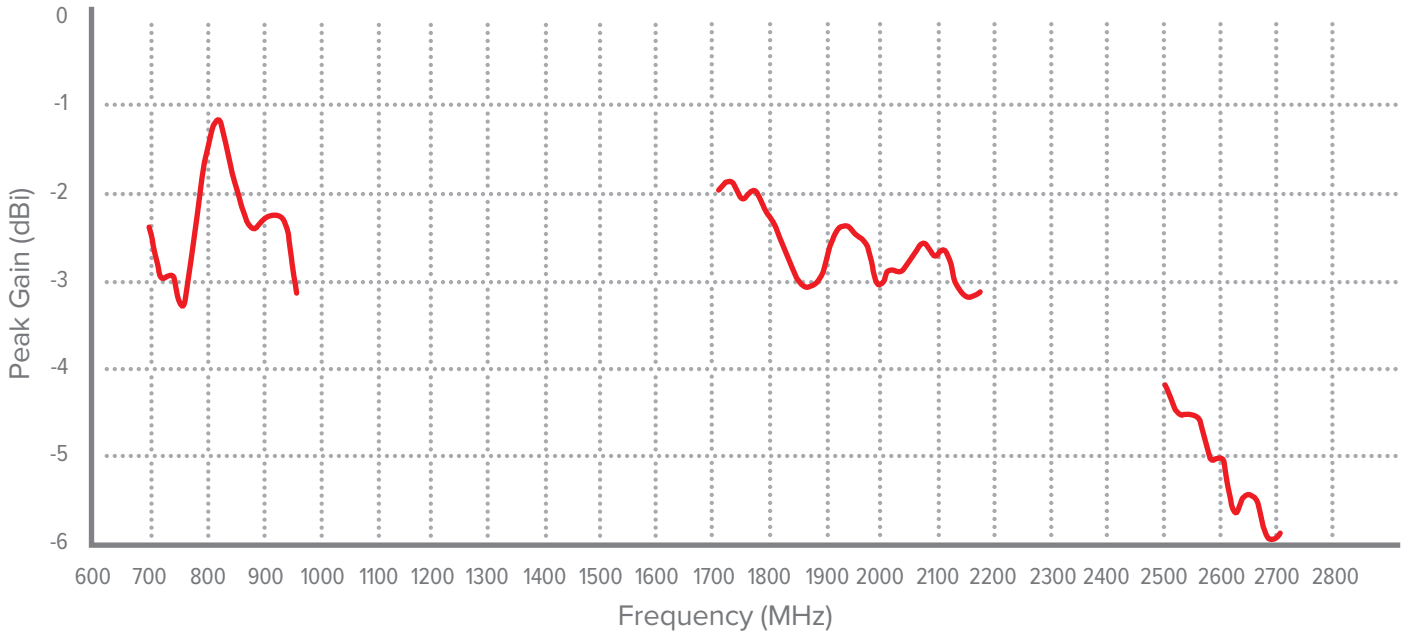
## Efficiency



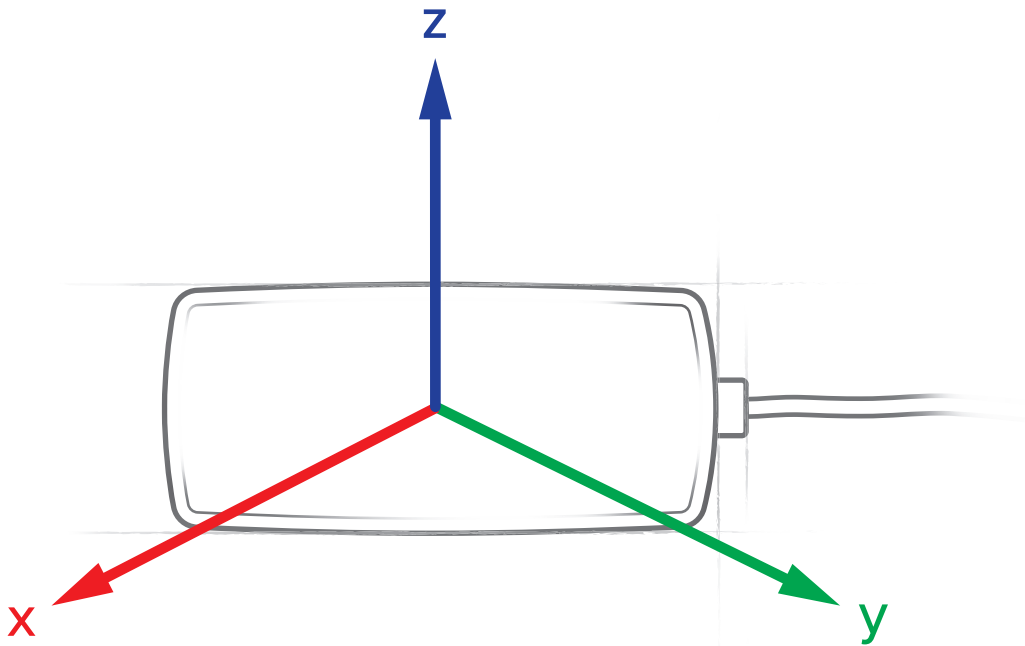
## Peak Gain



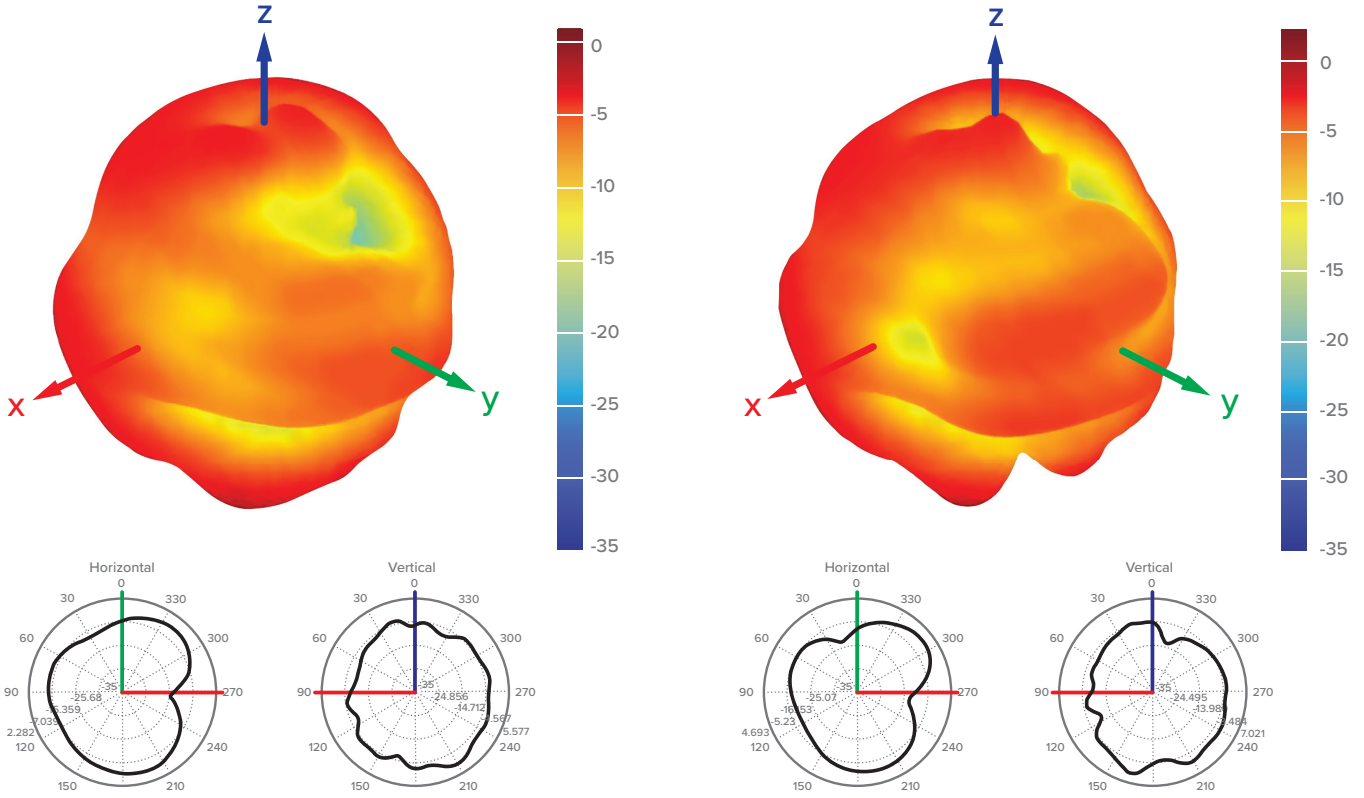
## Average Gain



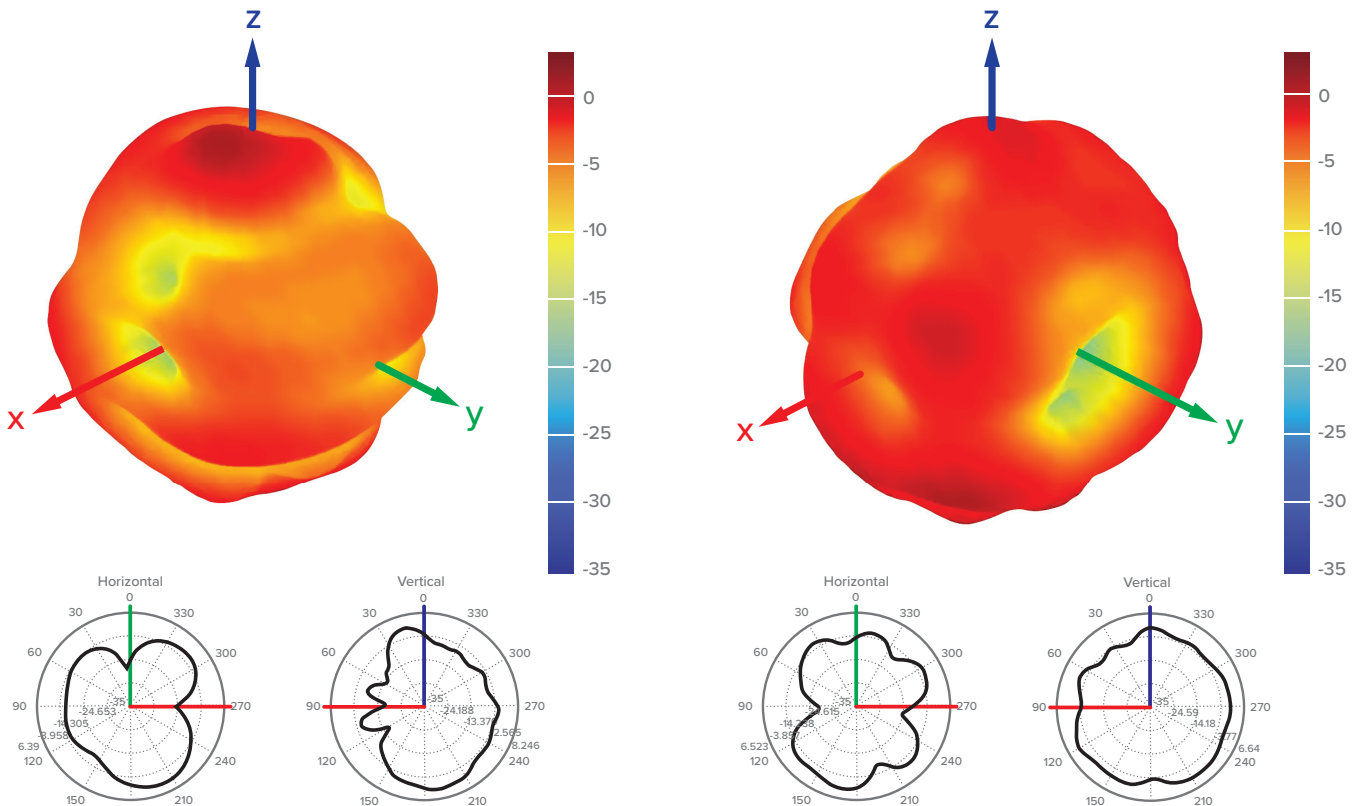
## Radiation Pattern Reference



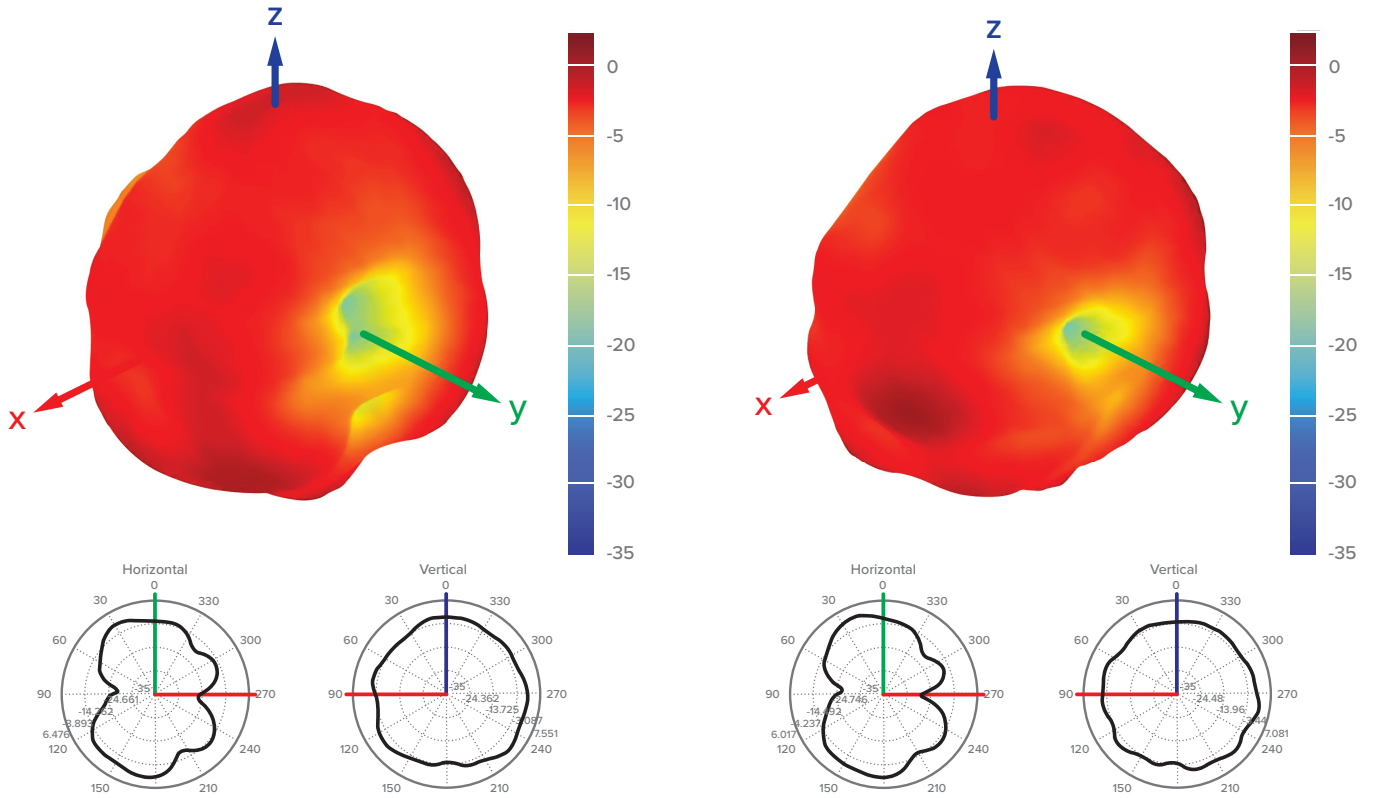
## 750 MHz & 850 MHz Radiation Patterns



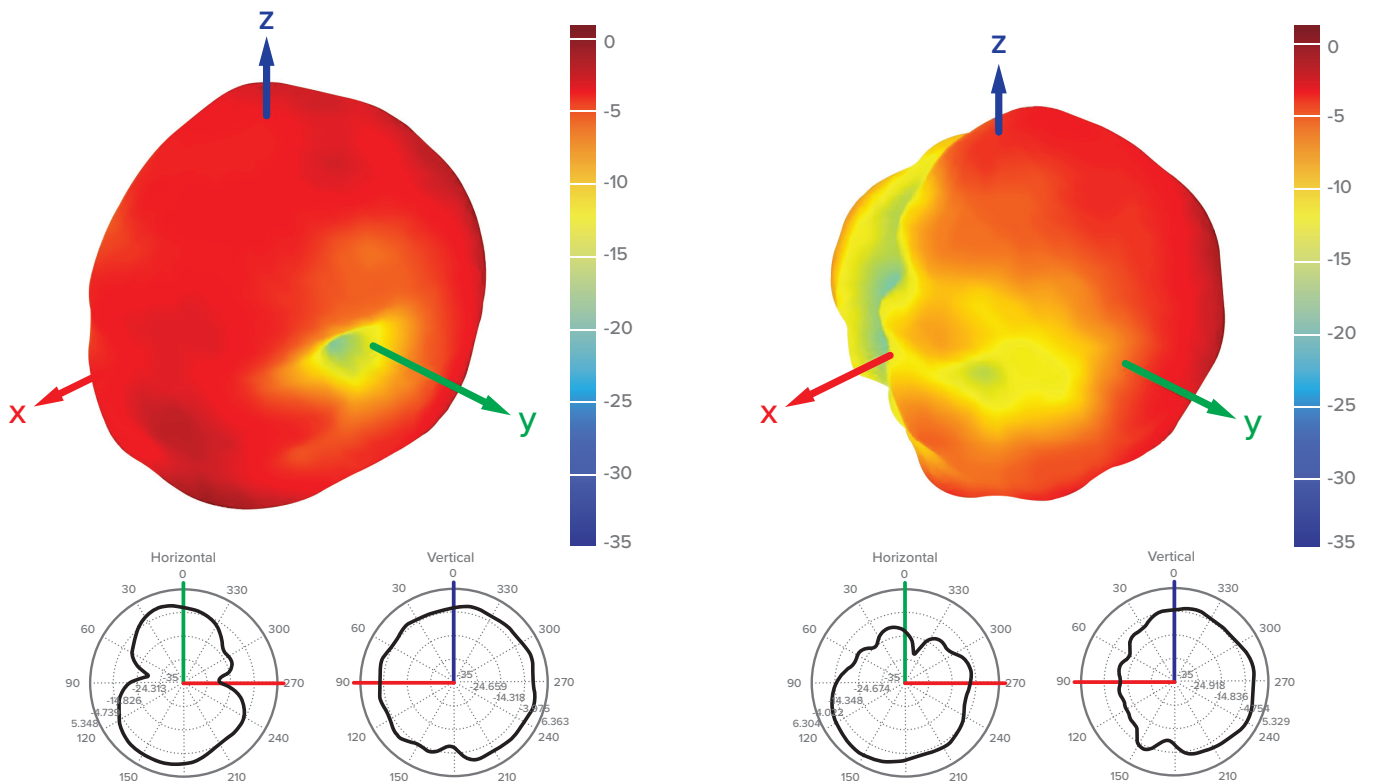
## 940 MHz & 1750 MHz Radiation Patterns



## 1850 MHz & 1950 MHz Radiation Patterns

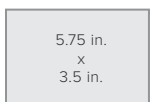


## 2100 MHz & 2600 MHz Radiation Patterns

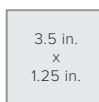


## Package Dimensions

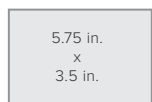
5.75 L x 3.5 W x 1.25 H



**FRONT**



**SIDE**



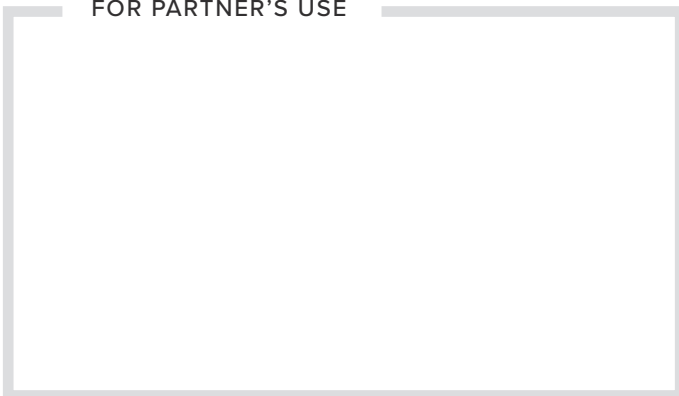
**TOP/BOTTOM**




**WEIGHT**

**MASTER CARTON:** 16 L x 12 W x 6 H | 7.76 lbs.

FOR PARTNER'S USE



## 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