

# DATASHEET

Patent Pending

## Antenna model UL-3000-330/S

Backpack/clip-on all-inclusive UHF antenna, designed for tactical and rapid UHF SATCOM & LOS deployment. Its lightweight (1 lb) and small form factor (pouch is approx. 8"x4"x4") keeps the operator burden to a minimum. Even while wearing gloves, deployment takes about 1 minute.



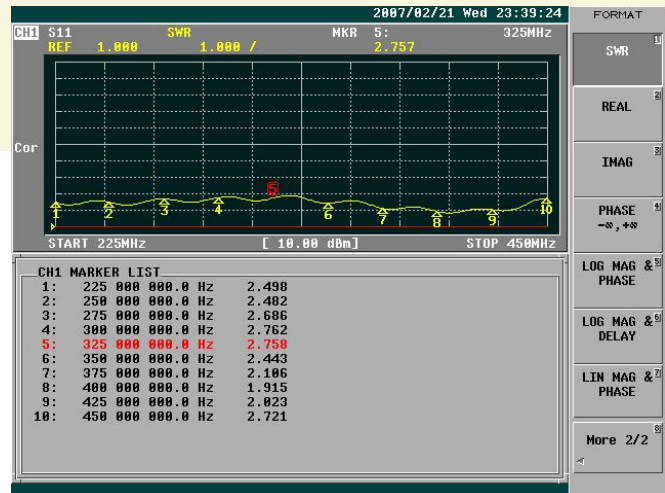
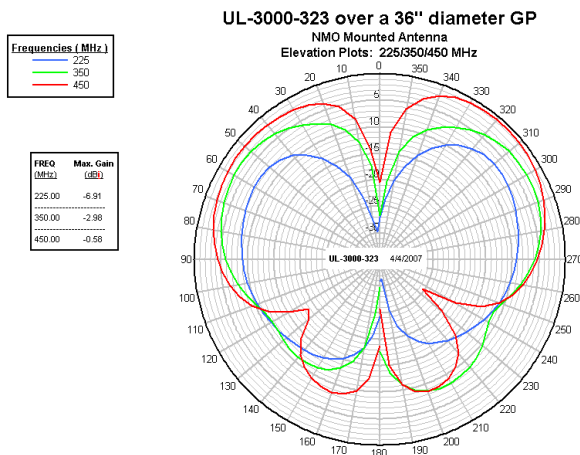
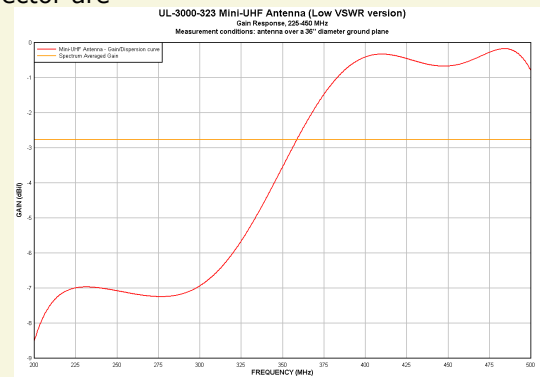
For multi-mission applications, the radiating element assembly can be used interchangeably with any NMO style Mobile Radio Antenna in the **antennas.us** catalog operating above 200 MHz. Custom alternative elements may be obtained, see model UL-4000-319-CF, or from [www.myerseng.com](http://www.myerseng.com) to assemble a comprehensive and specialized, lightweight tactical mission kit. An NMO mount and a 10 ft length of waterproof, low-loss coaxial cable, terminated in an N Male connector are included in the UL-3000-330 kit.

- Frequencies:** 225-450 MHz (-330 operates to >500 MHz)  
243-318 MHz (-330S)
- Coverage:** Omni-directional, low azimuthal ripple (1 dB)
- Polarization:** Linear, Vertical
- Gain:** -3 dBil frequency averaged
- Impedance:** 50 ohm (RF), Open Circuit (DC) 1 kV isolation, radiating element grounded
- Input Power:** 50 Watts CW
- VSWR:** 3.0
- Connector:** N, Male
- Dimensions:**

Radiating Element Housing 3.8 cm (1.5") OD x 10.3 cm (4.05") h  
Loaded Pouch 10 cm (4") OD x 20 cm (8") h

- Mount:** NMO connector (w/AS568B Dash Number 027 O-Ring)
- Temperatures:** -40°C to +85°C (operating)
- Shock:** Operates after drop from 6 m/20 ft onto asphalt
- Weight:** 0.5 kg / 1 lb

**NOTES:**  
Specifications and prices are subject to change without notice  
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ANTENNA ORIENTATION  
Radiator Top Points to 0° Mark  
NMO Connector Points to 180° Mark