

# UHF Wearable Antenna – 350 – 450 MHz



## Features and Benefits

- 350 – 450 MHz wearable antenna
- Wearable with waterproof cover
- Thin and lightweight
- Can be integrated with
  - Tactical Vest
  - Body Armor Vest Carrier
  - Covert Radio/Antenna Carrier

Pharad's *octane*<sup>®</sup> wearable 350-450 MHz antennas are the ideal antenna solutions for Soldiers/Marines engaged in urban and combat missions requiring UHF connectivity and extended coverage. This body-worn antenna is fabricated using a state-of-the-art thin material that conforms to the exterior of body armor or tactical vests. The lightweight, unobtrusive design, and flush mounting provide the user a friendly alternative to stub or whip antennas. UHF link performance is maintained without hindering the soldier's vision or movement. A torso worn spatially diverse antenna system that further enhances link performance is also available. Available tactical vests and covert antenna/radio carriers allow the antenna and radio to be easily worn as a system. Their unsurpassed range and coverage performance make the *octane*<sup>®</sup> wearable antenna products the antenna of choice for UHF communications applications.

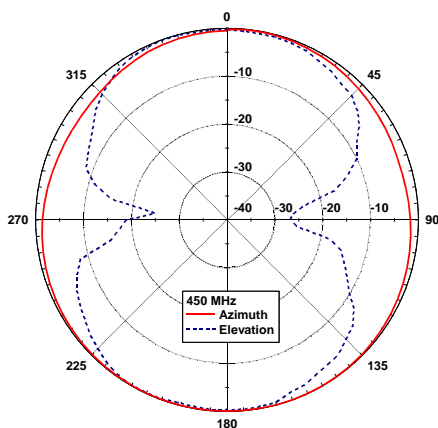
## Characteristics

<b>Frequency</b>	350 - 450 MHz
<b>Gain</b>	0 dBi
<b>Efficiency</b>	> 85%
<b>Maximum Power</b>	5 Watts
<b>Pattern</b>	Near omni
<b>Polarization</b>	Vertical
<b>Radiator Size (L x W x D)</b>	13" x 3" x 0.3"
<b>Cable Length</b>	11"
<b>Radiator Weight</b>	2.2 ounces
<b>Connector Type</b>	SMA
<b>Model Numbers</b>	BW-350-450 BW-350-450-D

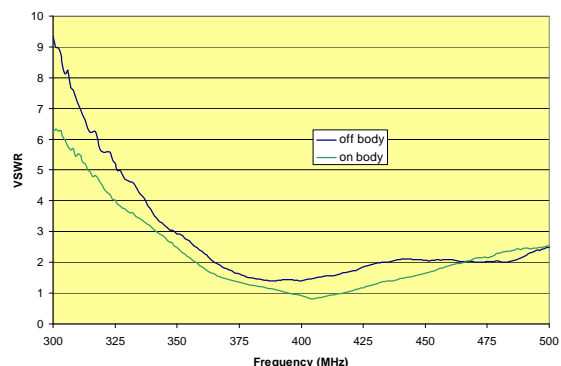
## Covert Antenna/Radio Carrier



## Radiation Pattern



## Typical VSWR



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