

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**[®] 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 unique form factor of this antenna is made possible by incorporating Pharad's patented **Flexenna**[®] flexible antenna technology. 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**[®] wearable antenna products the antenna of choice for UHF communications applications.

Characteristics

Frequency	350 – 450 MHz
Gain[†]	0 dBi
Efficiency	> 85%
Maximum Power	5 Watts
Pattern	Near omni
Polarization	Vertical
Radiator Size (L × W × D)	13" × 3" × 0.3"
Cable Length	24" back of pouch
Radiator Weight	2.2 ounces
Connector Type	SMA/ QMA

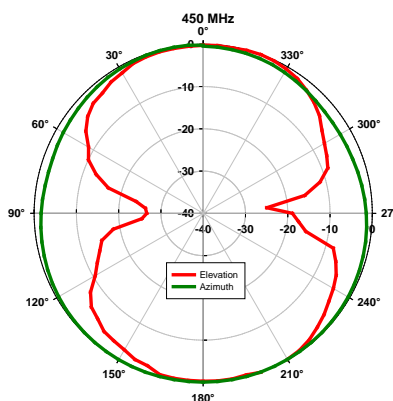
[†]Measured on phantom as surrogate body.

Covert Antenna/Radio Carrier

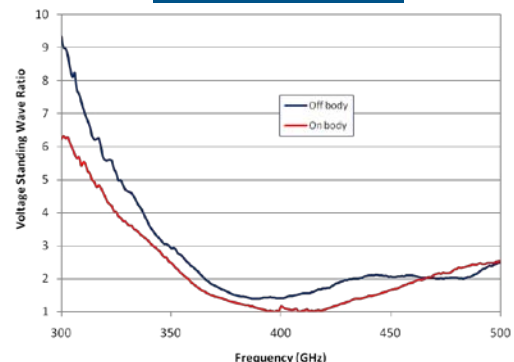


Model Number	Description
BW-350-450	Radiator only
BW-350-450-D	Diversity Model
BW-350-450-Q	QMA

Radiation Pattern



Typical VSWR



octane is a division of Pharad, LLC. Octane is a registered trademark of Pharad, LLC. Specifications subject to change without notice.