

WLAN Wearable Antenna – Enhanced Gain



Features and Benefits

- 2.4 GHz wearable antenna
- Enhanced gain
- Wearable with waterproof cover
- Thin and lightweight
- Can be integrated with
 - Tactical Vest
 - Body Armor Vest Carrier

Pharad's *octane*[®] wearable 2.4 GHz antennas are the ideal antenna solutions for Soldiers/Marines engaged in urban and combat missions requiring WLAN or Personal Role Radio (PRR) 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. WLAN/PRR link performance is maintained without hindering the soldier's vision or movement. A helmet mounted antenna and a torso worn spatially diverse antenna system that further enhances link performance are also available. An available tactical vest antenna/radio carrier allows the antenna and radio to be easily worn over clothing. Their unsurpassed range and coverage performance make the *octane*[®] wearable antenna products the antenna of choice for 2.4 GHz communications applications.

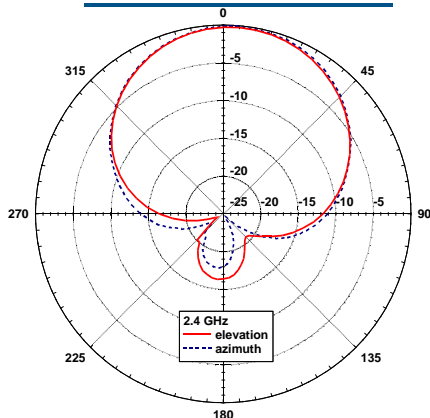
Characteristics

Frequency	2.4 - 2.49 GHz
Gain	5 dBi @ 2.4 GHz
Efficiency	> 85%
Maximum Power	5 Watts
Pattern	Near omni
Polarization	Vertical
Radiator Size (L x W x D)	3.3" x 3.3" x 0.3"
Cable Length	18"
Radiator Weight	< 2 ounces
Connector Type	SMA
Model Numbers	BW-2400-2500-EG BW-2400-2500-EGD

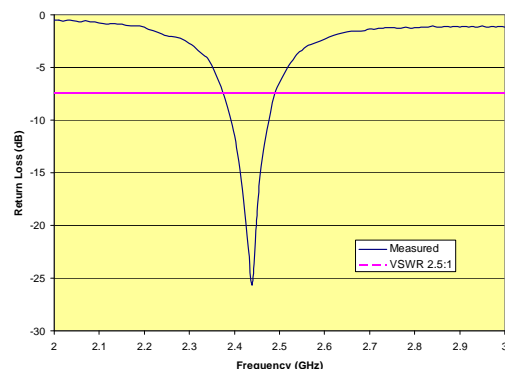
Covert Antenna/Radio Carrier



Radiation Pattern



Typical Return Loss



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