

## GPS Wearable Antenna



Model: BW-1228/1575

### Features and Benefits

- GPS L1/L2 wearable antenna
- Waterproof cover
- Flexible material
- Cover – unobtrusive
- Small and lightweight
- Can be integrated with
  - Helmet
  - Body Armor Vest

Pharad's *octane*<sup>®</sup> wearable GPS antennas offer superior performance for worn telematic applications. We have specially designed this GPS antenna to be in close proximity to the body, thus offering improved performance for covert and textile integrated applications. This wearable antenna is fabricated using a state-of-the-art, thin flexible material that conforms to clothing worn on the body. The lightweight, unobtrusive design, and flush mounting provide the user an ideal alternative to heavy, hockey-puck style antennas. GPS satellite visibility is maintained without hindering the user's mobility. Pharad offers standard connectors and various head and torso wearable configurations that allow these antennas to be easily integrated into most any application.

### Integrated with Helmet Cover



### Integrated with Armor Vest

## Characteristics

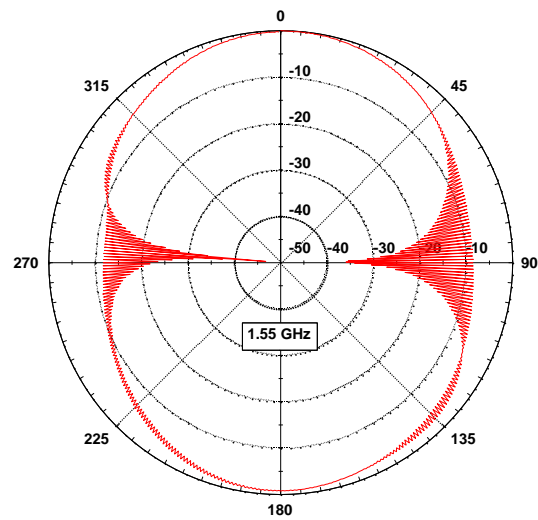
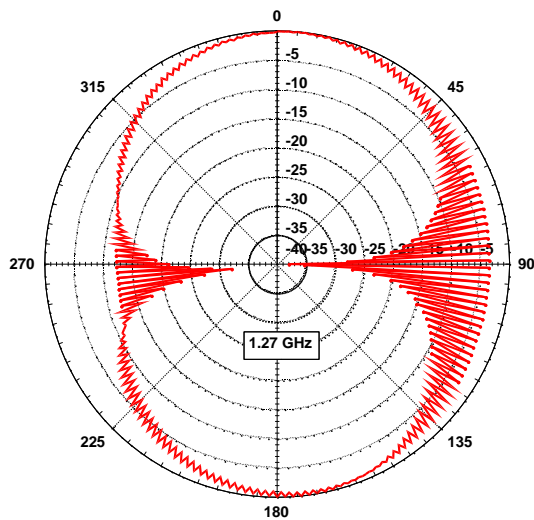
Frequency	1227.6/1575.4 MHz
Efficiency	> 85%
Gain	0 dBi
Pattern	Near omni
Polarization	RHCP
VSWR	< 2:1
Radiator Size (L x W x D)	3.4" x 4.2" x 0.3"
Cable Length	HW: 18" BW: 24"
Radiator Weight	< 1.5 ounces
Connector Type	SMA/TNC



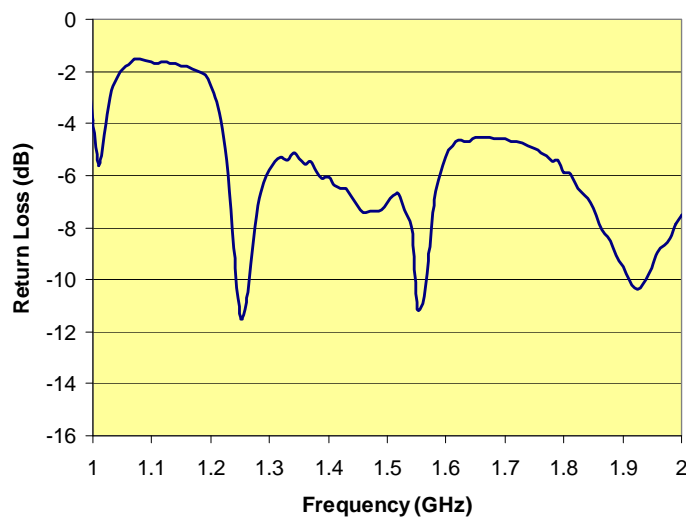
### Model Numbers

BW-1228/1575 Helmet Antenna  
 BW-1228/1575-D Body Antenna

## Radiation Patterns including Axial Ratio



## Typical Return Loss



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