

## 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 unique form factor of this antenna is made possible by incorporating Pharad's patented *Flextenna*<sup>®</sup> flexible antenna technology. 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

Model: BW-1228/1575-D

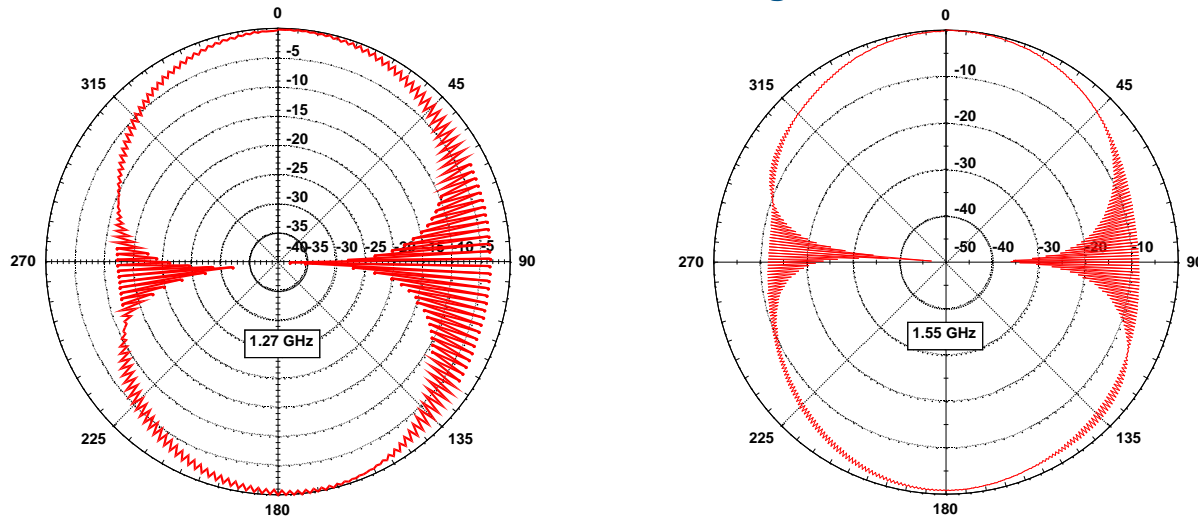


<b>Frequency</b>	1227.6/1575.4 MHz
<b>Efficiency</b>	> 85%
<b>Gain<sup>†</sup></b>	0 dBi
<b>Pattern</b>	Near omni
<b>Polarization</b>	RHCP
<b>VSWR<sup>†</sup></b>	< 2:1
<b>Radiator Size (L x W x D)</b>	3.4" x 4.2" x 0.3"
<b>Cable Length</b>	16.5"
<b>Radiator Weight</b>	< 1.5 ounces
<b>Connector Type</b>	SMA/TNC

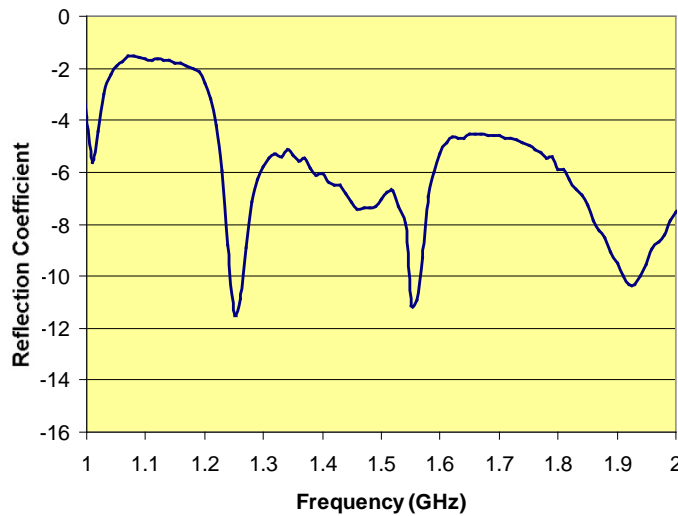
Model Numbers	
BW-1228/1575	Helmet Antenna
BW-1228/1575-D	Body Antenna

<sup>†</sup>Measured on phantom as surrogate body.

## Radiation Patterns<sup>†</sup> including Axial Ratio



## Reflection Coefficient<sup>†</sup>



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