

VHF/UHF Wearable Antenna



Features and Benefits

- 30 – 512 MHz antenna
- Wearable with waterproof cover
- Flexible material
- Thin and lightweight
- Can be integrated with
 - Tactical Vest
 - Body Armor Vest Carrier

Pharad's *octane*[®] wearable VHF/UHF antennas are the best performing small form factor antennas for operation at 30 MHz and higher. This body-worn antenna is fabricated using a state-of-the-art thin flexible material that slips easily into a tactical vest. 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 soldier/marine a friendly alternative to long whip antennas. MBITR communications link performance is maintained without hindering the user's vision or movement. We also offer a dual radiator model that adds spatial diversity and further enhances link performance. The standard TNC connector allows these antennas to easily connect to the PRC-152 and PRC-148 radios. 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 VHF/UHF communications applications.

Characteristics

Model #	BW-30-512
Frequency	30 – 512 MHz
Gain[†]	-13 dBi @ 30 MHz -5 dBi @ 52 MHz -2 dBi @ 108 MHz 1 dBi @ 225 MHz 3 dBi @ 512 MHz
Maximum Power	5 Watts
Pattern	Near omni
Polarization	Vertical
Radiator Size (L x W x D)	11.5" x 14.5" x 0.5"
Cable Length	24"
Radiator Weight	< 8 ounces
Connector Type	TNC

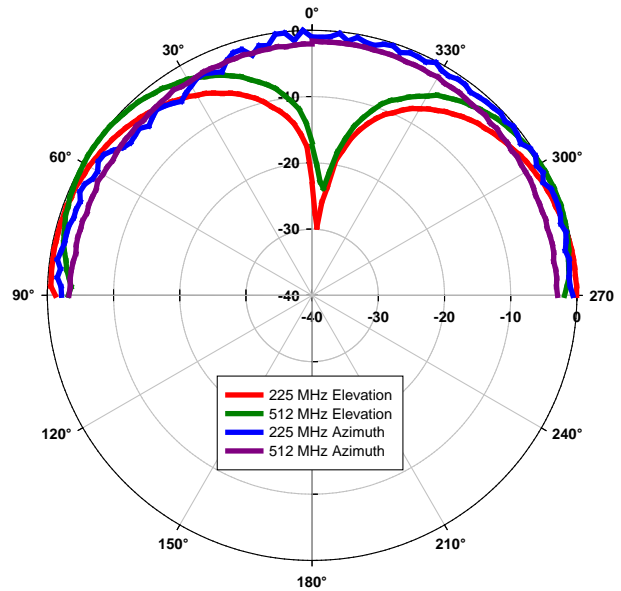
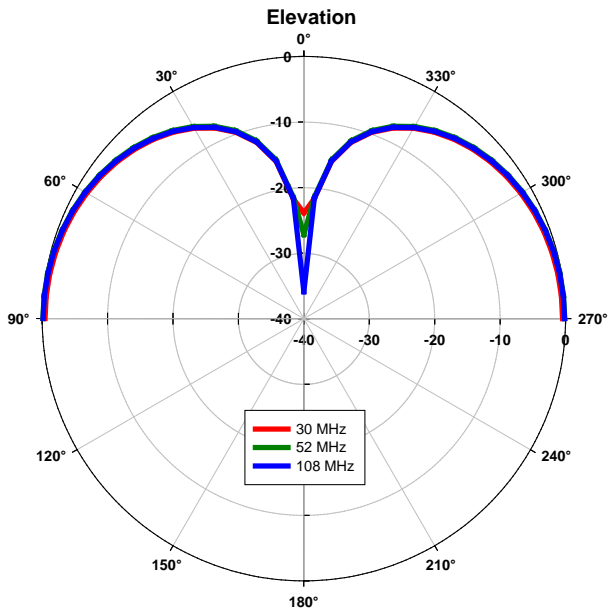
[†]Measured on phantom as surrogate body.

Installation in Interceptor Vest

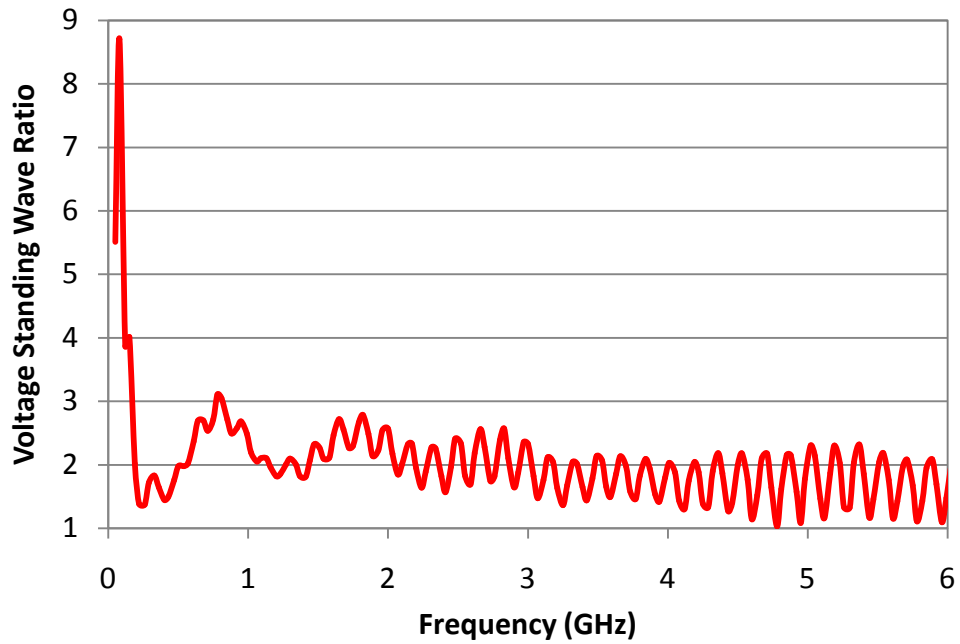


Model Number	Description
BW-30-512	Radiator only
BW-30-512-C	Includes Covert Carrier
BW-30-512-M	Includes MOLLE pouch
BW-30-512-D	Diversity Model

Radiation Patterns†



VSWR†



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