

Tetra Wearable Antenna



Features and Benefits

- Tetra wearable antenna
- Waterproof cover
- Flexible material
- Unobtrusive – does not hinder vision or movement
- Small and lightweight
- Can be integrated with
 - Helmet
 - Body Armor Vest Carrier

The **octaneWIRELESS** wearable line of Tetra antennas is the ideal antenna solution for police or soldiers engaged in covert and combat missions. This body wearable antenna is fabricated using a state-of-the-art, thin flexible material that conforms to the clothing or tactical vests, or can be worn discreetly under light clothing. The lightweight, unobtrusive design, and flush mounting provide the most user friendly alternative to stub or whip antennas. Tetra 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 available. The standard SMA connector allows these antennas to easily connect to standard Tetra radios. The unsurpassed range and coverage performance of the **octaneWIRELESS** wearable antenna make it the preferred choice for Tetra applications.

Covert Antenna/Radio Carrier



Integrated with Tactical Vest

Characteristics

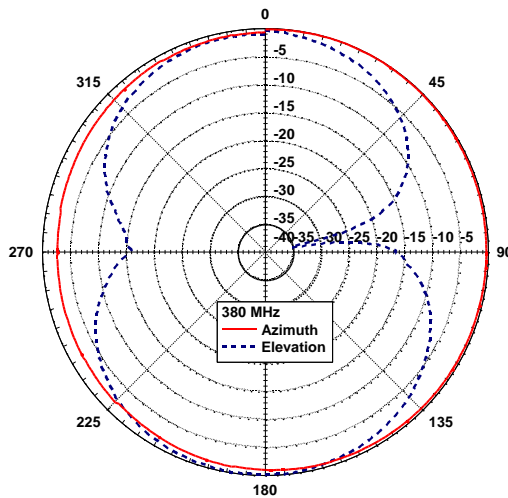
Frequency	TETRA-L	360-380 MHz
	TETRA-H	380-430 MHz
Efficiency	> 85%	
Gain	-3 dBi	
Maximum Power	5 Watts	
Pattern	Near omni	
Polarization	Vertical	
VSWR	< 2:1	
Radiator Size (L x W x D)	4.2" x 3.3" x 0.3"	
Cable Length	HW: 18" TW: 24"	
Radiator Weight	< 2 ounces	
Connector Type	SMA, other	



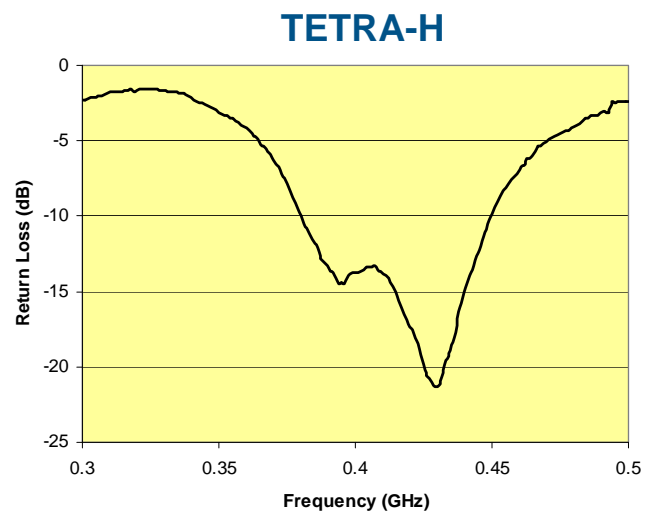
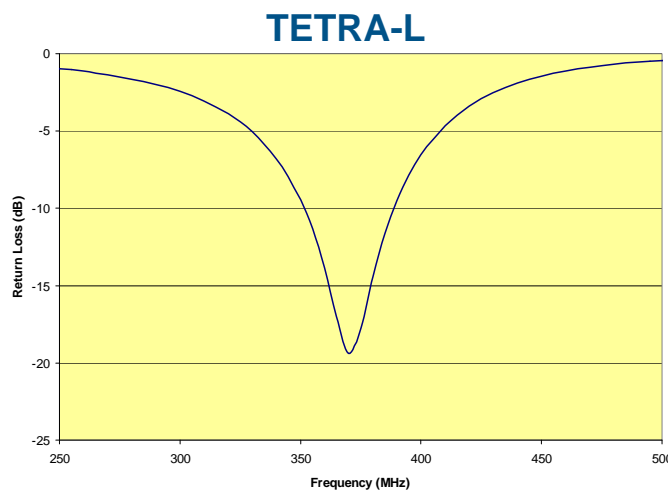
Model Numbers

BW-380-430	Helmet worn
BW-380-430-D	Spatially diverse torso worn
BW-360-380	Helmet worn
BW-360-380-D	Spatially diverse torso worn

Radiation Pattern



Typical Return Loss



This antenna is intended for occupational use only to satisfy FCC RF energy exposure requirements. This Octane Wireless antenna has been designed to comply with the IEEE (FCC) exposure limits for occupational/controlled RF exposure environments at usage factors of up to 50% talk-50% listen for Tetra radios transmitting up to 5 W power at 370 MHz.