

Family of Wearable, Low-Profile Banded Antennas

Low Profile Design

- Ultra-lightweight design for tactical operations
- Streamlined operator kit to save space, prevent snags, and reduce overall profile
- Decreased visible signature
- Improved performance from prone position

Improved Performance

- Better Tx/Rx omnidirectional performance
- Increased gain, while body worn, supported by 360° radiation pattern
- Reduced body masking, limiting degradation of RF performance

Antennas for Any Application

- Complete family of wearable antennas supporting wide range of operator radios and systems



Mastodon Design develops technically advanced, user-friendly solutions that meet the rigorous demands of today's military faster, cheaper, and better than anyone in the industry. We combine decades of world-class engineering expertise with real-world Special Operations Forces experience to deliver superior products in a customer-focused environment of agility and responsiveness.

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“Scourge” Antennas



MD1008-1710-01

GPS Antenna:

Part Number	Description	Frequency Coverage	General Characteristics	
			Gain	Size (Length)
MD1008-1400-01	AN/PRC-161, AN/PRC-163, and TW-400 GPS (SMA)	L1 / L2 1227 / 1575 MHz	Gain	+2 dBi
			Size (Length)	26.5 in.
			Weight	< 2.0 oz.

Antenna:

Part Number	Description	Frequency Coverage	General Characteristics	
			Gain	Size (Length)
MD1008-1500-01	VHF High (TNC)	115—270 MHz	Gain	-3 to 0 dBi
			Size (Length)	43.5 in.
			Weight	2.6 oz.
MD1008-1600-01	UHF (TNC)	270—520 MHz	Gain	0 to +3 dBi
			Size (Length)	27.5 in.
			Weight	< 2.0 oz.
MD1008-1710-01	VHF / UHF (TNC)	30—520 MHz	Gain	-15 to +2 dBi
			Size (Length)	39.5 in.
			Weight	4.5 oz.
MD1008-1750-01	UHF / L-Band (TNC)	225—500 MHz 1250—1390 MHz 1750—1850 MHz 2200—2500 MHz	Gain	0 to +2 dBi
			Size (Length)	29.5 in.
			Weight	< 2.0 oz.
MD1008-1800-01	L-Band (TNC)	1775—1815 MHz 2200—2250 MHz	Gain	0 to +2 dBi
			Size (Length)	17 in.
			Weight	< 2.0 oz.
MD1008-1910-01	Link-16 (TNC)	960—1215 MHz	Gain	-2 to -3 dBi
			Size (Length)	25 in.
			Weight	< 2.0 oz.
MD1008-1920-01	MPU-5 (RTNC)	1340—1450 MHz 2200—2500 MHz	Gain	0 to +2 dBi
			Size (Length)	30 in.
			Weight	< 2.0 oz.
MD1008-1930-01	TW-400 (SMA)	1775—1815 MHz 2200—2250 MHz	Gain	0 to +2 dBi
			Size (Length)	17 in.
			Weight	< 2.0 oz.

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