

About Octane Wireless

Founded in 2003 and located in Hanover, Maryland, Octane Wireless (formerly Pharad) is a customer-focused company carrying out innovative design, development, and manufacturing in the areas of highly efficient, electrically small antenna technologies and high-performance RF signal transport over optical fiber. To meet the needs of our customers, we draw on the extensive and diverse experience of our engineering team in the areas of electromagnetics, photonics, and microwave engineering.

Our ISO 9001:2015 quality certification provides the framework for us to meet or exceed our customer's expectations for the delivery of high-quality services and products by our experienced design and production staff.

MANET/MIMO Antennas



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Octane Wireless offers a large selection of omni-directional antennas developed specifically for MANET and MIMO radio systems. The portfolio features innovative high performance, matched pairs of vertically and horizontally polarized omni-directional antennas available in a variety of mounting systems, including gooseneck, spring base, rigid or fixed mounting base, as well as tactical vehicle spring versions. Dual-polarization assemblies are also available. Other configurations that support MANET and MIMO radios include UAV blades, stub antennas, conformal peel & stick appliques, as well as body wearable antennas.



Single-band Antenna Products

Frequency	Polarization	Mounting*	Typical Gain	Model Number
1350 – 1390 MHz	Horizontal	FB, GN, SP	3.0 dBi	#H-1350-1390
	Horizontal	VS	5.0 dBi	VSH-1350-1390
	Vertical	FB, GN, SP	3.0 dBi	#V-1350-1390(3)
	Vertical	VS	5.0 dBi	VSV-1350-1390
	Vertical	SA	2.3 dBi	SA-1350-1390
	Dual	BW	5.0 dBi	BW-1350-1390
2200 – 2500 MHz	Horizontal	FB, GN, SP	5.1 dBi	#H-2200-2500
	Horizontal	VS	4.0 dBi	VSH-2200-2500
	Vertical	FB, GN, SP	5.0 dBi	#V-2200-2500(5)
	Vertical	VS	4.9 dBi	VSV-2200-2500
	Dual	VS	4.0 dBi	VSVH-2200-2500
	Dual	BW	5.0 dBi	BW-2400-2500-EG
4400 – 5000 MHz	Horizontal	FB, GN, SP	5.4 dBi	#H-4400-5000
	Horizontal	VS	5.2 dBi	VSH-4400-5000
	Vertical	FB, GN, SP	5.4 dBi	#V-4400-5000
	Vertical	VS	5.2 dBi	VSV-4400-5000
	Dual	VS	5.2 dBi	VSVH-4400-5000
5150 – 5950 MHz	Horizontal	FB, GN, SP	5.1 dBi	#H-5000-5900
	Vertical	FB, GN, SP	5.3 dBi	#V-5000-5900

*Contact Octane Wireless for custom frequency, connectors, etc. Specifications subject to change without notice.

FB = Fixed Base (Model prefix # = F) SA = Stub
 GN = Gooseneck (Model prefix # = G) BW = Body Wearable
 SP = Direct Mount Spring (Model prefix # = S) AA = Peel and Stick Applique
 VS = Tactical Vehicle Spring AU = UAV Blade

Dual and Tri-band Antenna Products

	Frequency	Polarization	Mounting*	Typical Gain	Model Number
Dual Band	1350 – 1390 / 2200 – 2500 MHz	Vertical	GN	3.6 dBi	MP-1350-2500
	1350 – 1390 / 4400 – 5000 MHz	Vertical	GN	3.5 dBi	MP-1350-5000
	2200 – 2500 / 4400 – 5000 MHz	Horizontal	VS	4.0 dBi	VSH-2200-5000
		Vertical	GN	3.3 dBi	MP-2200-5000
		Vertical	SA	5.0 dBi	SA-2200-4900
Vertical	VS	4.9 dBi	VSV-2200-5000		
	4400 – 5000 / 5150 – 5950 MHz	Vertical	SA	3.0 dBi	SA-4400-5900
Tri Band	225 – 400 / 698 – 970 / 1250 – 1850 MHz	Vertical	GN	1.6 dBi	MP-225-1850
	1350 – 1850 / 2200 – 2500 / 4400 – 5900 MHz	Vertical	AA	2.0 dBi	AA-1300-6000
		Vertical	AU	2.4 dBi	AU-800-6000
	1750 – 1850 / 2000 – 2500 / 4400 – 5950 MHz	Vertical	AA	1.3 dBi	AA-1700-6000
	2200 – 2500 / 4400 – 5000 / 5150 – 5950 MHz	Vertical	SA	3.0 dBi	SA-2200-5900

