

## 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.

# Gooseneck Antennas



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Made in USA

Octane Wireless offers a range of tactical gooseneck and mini-gooseneck antennas for dismantled and lightweight applications. They provide high performance radiating apertures with flexible goosenecks that attach to tactical radios and controllers as well as handheld, pocket sized, or fixed location radios and access points. The integrated flexible arm of the antenna allows the orientation of the radiator to be easily adjusted to optimize link performance. Octane Wireless offers broadband omni-directional gooseneck and mini-gooseneck antennas with operational bandwidths from 225 to 10000 MHz. These antennas require no tuning or adjustment. Octane Wireless also offers gooseneck extensions with standard RF connector options that transform an existing antenna into a flexible user-friendly configuration.



## Gooseneck Antenna Model Numbers

Model Number	Frequency*	Typical Gain	Polarization	Standard Connector*	Size
MP-225-1850	225 – 1850 MHz	1.6 dBi	Vertical	TNC Male	10.8" x 0.5"
MP-400-6000-N	400 – 6000 MHz	0.0 dBi	Vertical	N-Type	19.5" x 1.25"
MP-700-3000	700 – 3000 MHz	0.0 dBi	Vertical	TNC Male	10.25" x 0.5"
MP-700-3000-EGN	700 – 3000 MHz	3.0 dBi	Vertical	N-Type	16.2" x 1.25"
MP-800-1900	800 – 2720 MHz	4.0 dBi	Vertical	TNC Male	14.2" x 1.25"
MP-800-6000	800 – 6000 MHz	2.0 dBi	Vertical	TNC Male	14.2" x 1.25"
MP-900-930	900 – 930 MHz	2.0 dBi	Vertical	TNC Male	12.3" x 0.5"
MP-1150-1550	1150 – 1550 MHz	5.5 dBi	Vertical	TNC Male	20.5" x 1.25"
GH-1350-1390(3)	1350 – 1390 MHz	3.0 dBi	Horizontal	TNC Male	12.9" x 1.2"
GV-1350-1390(3)	1350 – 1390 MHz	3.0 dBi	Vertical	TNC Male	12.8" x 0.7"
GV-1350-1390(5)	1350 – 1390 MHz	5.0 dBi	Vertical	TNC Male	20.3" x 0.7"
MP-1350-2500	1.35 – 1.39 / 2.2 – 2.5 GHz	3.6 dBi	Vertical	TNC Male	10.25" x 0.5"
MP-1350-5000	1.35 – 1.39 / 4.4 – 5 GHz	3.5 dBi	Vertical	TNC Male	9.75" x 0.5"
MP-1600-5900	1600 – 5900 MHz	3.0 dBi	Vertical	TNC Male	9.0" x 0.5"
GH-2025-2110	2025 – 2110 MHz	5.0 dBi	Horizontal	TNC Male	13.0" x 1.2"
GH-2200-2500	2200 – 2500 MHz	5.1 dBi	Horizontal	TNC Male	12.9" x 1.2"
GV-2200-2500	2200 – 2500 MHz	5.0 dBi	Vertical	TNC Male	12.8" x 0.7"
GV-2200-2500(6)	2200 – 2500 MHz	6.0 dBi	Vertical	TNC Male	15.5" x 0.7"
GV-2200-2500(7)	2200 – 2500 MHz	7.0 dBi	Vertical	TNC Male	18.0" x 0.7"
GV-2200-2500(8)	2200 – 2500 MHz	8.0 dBi	Vertical	TNC Male	20.5" x 0.7"
MP-2200-5000	2.2 – 2.5 / 4.4 – 5 GHz	3.3 dBi	Vertical	TNC Male	10.25" x 0.5"
MP-2400-2500	2400 – 2500 MHz	7.0 dBi	Vertical	TNC Male	20.0" x 0.5"
GH-4400-5000	4400 – 5000 MHz	5.4 dBi	Horizontal	TNC Male	10.3" x 0.7"
GV-4400-5000	4400 – 5000 MHz	5.4 dBi	Vertical	TNC Male	10.3" x 0.7"
MP-4400-5900-EG	4400 – 5900 MHz	7.0 dBi	Vertical	TNC Male	9.75" x 0.5"
GH-5000-5900	5000 – 5900 MHz	5.1 dBi	Horizontal	TNC Male	10.3" x 0.7"
GV-5000-5900	5000 – 5900 MHz	5.3 dBi	Vertical	TNC Male	10.3" x 0.7"

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

## Mini-Gooseneck Antenna Model Numbers

Model Number	Frequency	Typical Gain	Polarization	Standard Connector*	Size
MG-315-515	315 – 515 MHz	-3.3 dBi	Vertical	SMA Male	7.9" x 0.56"
MG-420-575	420 – 575 MHz	-5.5 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-600-3800	600 – 3800 MHz	-2.0 dBi	Vertical	SMA Male	7.9" x 0.56"
MG-700-3000	700 – 3000 MHz	-2.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-700-3800	700 – 3800 MHz	-3.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-800-2700	800 – 2700 MHz	0.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-900-930	900 – 930 MHz	2.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-1350-1390	1350 – 1390 MHz	2.3 dBi	Vertical	SMA Male	7.9" x 0.56"
MG-1400-5900	1400 – 5900 MHz	1.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-1700-1900	1700 – 1900 MHz	3.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-1755-2270	1755 – 2270 MHz	2.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-2200-4900	2.2 – 2.3 / 4.4 – 4.9 GHz	5.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-2200-5900	2200 – 5900 MHz	3.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-2400/5800	2.25 – 2.5 / 5.0 – 6.0 GHz	2.2 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-3000-10000	3000 – 10000 MHz	3.0 dBi	Vertical	SMA Male	5.1" x 0.56"
MG-4400-5900	4400 – 5900 MHz	3.0 dBi	Vertical	SMA Male	5.1" x 0.56"

\*TNC Male connector available.

## Gooseneck Extension Model Numbers



Model Number*	Connector A (Male)	Connector B (Female)	Length
GE-TT-09	TNC	TNC	9.0"
GE-TT-12	TNC	TNC	12.0"
GE-TT-15	TNC	TNC	15.0"
GE-TT-18	TNC	TNC	18.0"
GE-NN-09	N-Type	N-Type	9.0"
GE-NN-12	N-Type	N-Type	12.0"
GE-NN-15	N-Type	N-Type	15.0"
GE-NN-18	N-Type	N-Type	18.0"
GE-NT-09	N-Type	TNC	9.0"
GE-NT-12	N-Type	TNC	12.0"
GE-TN-18	TNC	N-Type	18.0"

\*Custom connector configurations available.

