

Gooseneck Antennas



Pharad's tactical gooseneck antennas are the ideal antenna solution for dismounted applications. They provide high performance radiating apertures with flexible goosenecks that attach to tactical radios and controllers. The antenna's integrated flexible arm allows the orientation of the radiator to be easily adjusted to optimize link performance and also allows the user to pass directly beneath overhead objects without impediment or injury. Pharad offers broadband omni-directional gooseneck antenna solutions with operational bandwidths from 225 to 6000 MHz. These antennas require no tuning or adjustment. Pharad also offers gooseneck extensions with standard RF connector options that transform an existing antenna into a flexible user-friendly configuration.

In addition to our standard COTS (commercial off the shelf) antennas, Pharad offers custom engineered solutions that conform to a customer's exact specifications. We offer various mounting configurations, alternate RF connectors, and can even supply multiple radiator elements within a single housing. Pharad can engineer to specific radiation requirements as may be required for dismounted Electronic Warfare applications, ISR/SIGINT applications, forward air controller, or communications applications.

Gooseneck Antenna Products

Model #	MP-225-1850	MP-400-6000	MP-700-3000	MP-800-1900	MP-800-6000
Frequency	225 – 1850 MHz	400 – 6000 MHz	700 – 3000 MHz	800 – 2720 MHz	800 - 6000 MHz
Gain	-5.0 dBi @ 240 MHz	-0.5 dBi @ 400 MHz	-1.0 dBi @ 700 MHz	2.7 dBi @ 800 MHz	2.0 dBi @ 800 MHz
	-2.4 dBi @ 400 MHz	0.1 dBi @ 700 MHz	-1.0 dBi @ 900 MHz	3.1 dBi @ 900 MHz	1.5 dBi @ 1800 MHz
	1.2 dBi @ 1250 MHz	0.6 dBi @ 1300 MHz	0.0 dBi @ 1700 MHz	5.0 dBi @ 1800 MHz	1.5 dBi @ 2400 MHz
	1.6 dBi @ 1390 MHz	2.1 dBi @ 2400 MHz	0.0 dBi @ 1900 MHz	5.3 dBi @ 1900 MHz	2.0 dBi @ 4000 MHz
	2.0 dBi @ 1755 MHz	1.5 dBi @ 4400 MHz	0.0 dBi @ 2100 MHz	5.0 dBi @ 2600 MHz	3.5 dBi @ 5800 MHz
	1.8 dBi @ 1850 MHz	4.5 dBi @ 5800 MHz	1.0 dBi @ 2700 MHz	4.8 dBi @ 2720 MHz	
VSWR	< 3:1	< 3:1	< 3:1	< 3:1	< 3:1
Polarization	Vertical	Vertical	Vertical	Vertical	Vertical
Maximum Power	8 Watts	10 Watts	1 Watt	10 Watts	25 Watts
Size (L x D)	10.8" x 0.5"	19.5" x 1.25"	10.5" x 0.5"	14.5" x 1.25"	14.5" x 1.25"
Weight	3 ounces	9 ounces	3 ounces	7 ounces	9 ounces
Connector	TNC	N Type, TNC	N Type, TNC	N Type, TNC	N Type, TNC

Model #	MP-900-930	MP-1150-1550	MP-1600-5900	MP-2400-2500	MP-4400-5900-EG
Frequency	900 - 930 MHz	1150 - 1550 MHz	1600 - 5900 MHz	2400 - 2500 MHz	4400 - 5900 MHz
Gain	2.0 dBi @ 915 MHz	5.1 dBi @ 1150 MHz	4.3 dBi @ 1600 MHz	7.0 dBi @ 2450 MHz	5.9 dBi @ 4400 MHz
		6.0 dBi @ 1350 MHz	2.4 dBi @ 1800 MHz		7.1 dBi @ 4800 MHz
		6.2 dBi @ 1390 MHz	2.1 dBi @ 2400 MHz		7.3 dBi @ 5100 MHz
		6.1 dBi @ 1440 MHz	3.0 dBi @ 4400 MHz		7.9 dBi @ 5800 MHz
		5.2 dBi @ 1550 MHz	5.2 dBi @ 5900 MHz		
VSWR	< 2.5:1	< 2:1	< 2.5:1	< 2.5:1	< 3:1, < 2.5:1 @ WiFi
Polarization	Vertical	Vertical	Vertical	Vertical	Vertical
Maximum Power	10 Watts	10 Watts	10 Watts	10 Watts	10 Watts
Size (L x D)	12.3" x 0.5"	20.5" x 1.25"	9.0" x 0.5"	18.7" x 0.5"	9.75" x 0.5"
Weight	4 ounces	8 ounces	3 ounces	4 ounces	4 ounces
Connector	N Type, TNC	N Type, TNC	N Type, TNC	N Type, TNC	N Type, TNC

Gooseneck Extensions*

Model #	GE-TT-09	GE-TT-12	GE-TT-15	GE-TT-18	GE-NN-09	GE-NN-12	GE-NN-15	GE-NN-18
Length	9"	12"	15"	18"	9"	12"	15"	18"
Connector	TNC	TNC	TNC	TNC	N Type	N Type	N Type	N Type

* Mixed connector options also available.

Octane is a registered trademark and division of Pharad, LLC.
Specifications subject to change without notice.

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