

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 800 to 6000 MHz. These antennas are completely passive, include no loading elements, and 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-800-1900	MP-800-6000	MP-900-930
Frequency	800 – 1900 MHz	800 - 6000 MHz	900 - 930 MHz
Gain	2.5 dBi @ 800 MHz	2 dBi @ 800 MHz	2 dBi @ 915 MHz
	3.0 dBi @ 900 MHz	1.5 dBi @ 1800 MHz	
	2.5 dBi @ 1800 MHz	1.5 dBi @ 2400 MHz	
	3.0 dBi @ 1900 MHz	2 dBi @ 4000 MHz 3.5 dBi @ 5800 MHz	
VSWR	< 3:1	< 2:1	<2.5:1
Polarization	Vertical	Vertical	Vertical
Maximum Power	10 Watts	25 Watts	10 Watts
Size (L x D)	14.5" x 1.25"	14.5" x 1.25"	13" x 0.5"
Weight	< 7 ounces	16 ounces	3 ounces
Connector	N Type, TNC	N Type, TNC	N Type, TNC

Model #	MP-1600-5900	MP-2300-2500	MP-4400-5900
Frequency	1600 - 5900 MHz	2300 - 2500 MHz	4400 - 5900 MHz
Gain	4.3 dBi @ 1600 MHz	7 dBi @ 2450 MHz	4 dBi @ 4400 MHz
	2.4 dBi @ 1800 MHz		6 dBi @ 4600 MHz
	2.1 dBi @ 2400 MHz		5.6 dBi @ 5500 MHz
	3.0 dBi @ 4400 MHz		4.4 dBi @ 5900 MHz
	5.2 dBi @ 5900 MHz		
VSWR	< 2.5:1	< 2.5:1	< 2.5:1
Polarization	Vertical	Vertical	Vertical
Maximum Power	10 Watts	10 Watts	10 Watts
Size (L x D)	9.0" x 0.5"	18.7" x 0.5"	12.4" x 0.5"
Weight	3 ounces	3.5 ounces	2.8 ounces
Connector	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.

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