

Stub Antennas



Pharad's high performance stub antennas have been designed as alternatives to common, low performing 'rubber ducky' and stub antennas. The Pharad designed Stub Antennas provide high performance radiating apertures that attach to small, pocket sized radios and multi-rotorcopter drones and UAVs. The stub antenna's unibody construction with an SMA male connector provides a reliable, waterproof antenna assembly that is substantially more reliable and robust than mass market stub antennas. Additionally, the highly efficient Pharad antennas provide the best electromagnetic performance of any available stub antenna. The Pharad Stub Antenna offering includes uniquely broadband models previously unavailable in such a small package.

Stub Antenna Products

Application	UHF	LTE	GSM/Cellular	L-, S-, & C-band
Model #	SA-420-575	SA-700-3000	SA-800-2700	SA-1400-5900
Frequency	420 – 575 MHz	700 – 3000 MHz	800 – 2700 MHz	1400 – 5900 MHz
Gain	-5.5 dBi @ 480 MHz	-3.0 dBi @ 700 MHz 0.0 dBi @ 800 MHz -3.0 dBi @ 1700 MHz -2.0 dBi @ 1900 MHz -4.0 dBi @ 2600 MHz -4.0 dBi @ 3000 MHz	-3.3 dBi @ 800 MHz -3.0 dBi @ 900 MHz 1.3 dBi @ 1800 MHz 0.5 dBi @ 2100 MHz 1.5 dBi @ 2400 MHz 2.1 dBi @ 2600 MHz	0.3 dBi @ 1400 MHz 0.5 dBi @ 1700 MHz 1.0 dBi @ 2400 MHz 0.7 dBi @ 4400 MHz 1.3 dBi @ 5800 MHz
VSWR (in band)	< 2.5:1	< 3:1	< 3:1	< 3:1
Polarization	Vertical	Vertical	Vertical	Vertical
Size (L x D x W)	2.65" x 0.52" x 0.43"	2.65" x 0.52" x 0.43"	2.65" x 0.52" x 0.43"	2.65" x 0.52" x 0.43"
Weight	0.35 ounces	0.35 ounces	0.35 ounces	0.35 ounces
Connector	SMA Male	SMA Male	SMA Male	SMA Male

Application	L- & S-band	WLAN/WiFi	UWB
Model #	SA-1755-2270	SA-2400/5800	SA-3000-10000
Frequency	1755 – 2270 MHz	2.2-2.5/5.0-6.0 GHz	3 – 10 GHz
Gain	2.1 dBi @ 1780 MHz 2.3 dBi @ 2260 MHz	2.2 dBi @ 2450 MHz 4.4 dBi @ 5650 MHz	1.8 dBi @ 3000 MHz 3.7 dBi @ 6000 MHz 3.0 dBi @ 9000 MHz 3.4 dBi @ 10000 MHz
VSWR	< 3:1	< 3:1	< 3:1
Polarization	Vertical	Vertical	Vertical
Size (L x D)	2.65" x 0.52" x 0.43"	2.65" x 0.52" x 0.43"	2.65" x 0.52" x 0.43"
Weight	0.35 ounces	0.35 ounces	0.35 ounces
Connector	SMA Male	SMA Male	SMA Male



In addition to our standard COTS (commercial off the shelf) Stub Antennas, Pharad offers custom engineered solutions that conform to a customer's exact specifications.

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

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