

## BlackOut H5800 Series

The TACO **BlackOut** H5800 Series are right-hand circular polarized helical antennas engineered to deliver wideband performance in the 4.4 to 6.0 GHz range, with gain from 12 to 18 dBic. Every H5800 model is a reliable choice for both close coverage and when extended range is required.

Although specifically built for counter drone applications, their rugged, weather-proof radomes and excellent RF performance in the harshest environments make them ideal for mines and tunnels as well. Thin, tubular and horizontally mounted, they take up very little space on a roof or side wall, and because circular polarized reception is less vulnerable to multi-path fading, they outperform conventional linear polarized antennas in reflective environments.

First and foremost, though, the H5800 Series was designed to be easily integrated into portable handheld, semi-permanent field, mast and fixed counter drone installations.

*(Left-hand polarization available upon request).*



Experience the  
advantages of TACO's  
drone jamming design

With TACO's **BlackOut** circularly polarized\* (CP) helical antennas integrated into your C-UAS

- *Maximum signal loss with the drone's LP antenna is only 3dB at any orientation*
- *Consistently and substantially stronger connection*
- *Ensures greater control of the target UAS*

WADE ANTENNA'S ONGOING POLICY OF CONTINUING DEVELOPMENT MAY RESULT IN SPECIFICATION CHANGES TO ITS PRODUCTS

**TACO ANTENNA**

(A division of Wade Antenna, Inc.)

29 Sharp Road, Brantford, Ontario  
Canada N3T 5L8

Ask us today about integrating the **BlackOut** Helical Counter Drone Antenna Series into your C-UAS devices

[sales@tacoantenna.com](mailto:sales@tacoantenna.com)

[www.tacoantenna.com](http://www.tacoantenna.com)

717.975.0885 / 519.756.7157

SPEC0093\_D01

## H5800 Series Specifications

Electrical			
Model	H5812-NF	H5815-NF	H5818-NF
Frequency - GHz	4.4 to 6.0	4.4 to 6.0	4.4 to 6.0
Connectors	1	1	1
Gain - dBic	12	15	18
Impedance - Ohm	50	50	50
VSWR	2:1	2:1	2:1
F/B Ratio dB	>20	>20	>20
Polarization	RHCP	RHCP	RHCP
HPBW - °	45 to 64	32 to 48	18 to 28
Terminal Type	NF or SMAF	NF or SMAF	NF or SMAF
Max Input Power - W	100	100	100

Mechanical			
Length From Bottom of Ground Plane – in (cm)	3.95 (10.0)	7.43 (18.8)	18.05 (45.8)
Radome Diameter – in (cm)	1.5 (3.8)	1.5 (3.8)	1.5 (3.8)
Ground Plane Diam – in (cm)	2.0 (5.1)	2.0 (5.1)	2.0 (5.1)
Weight – lb (kg)	0.31 (0.14)	0.37 (0.17)	0.55 (0.25)
Radome Material	Polycarbonate	Polycarbonate	Polycarbonate
Color	Flat Black	Flat Black	Flat Black
Mounting	3 studs	3 studs	3 studs

WADE ANTENNA'S ONGOING POLICY OF CONTINUING DEVELOPMENT MAY RESULT IN SPECIFICATION CHANGES TO ITS PRODUCTS

**TACO ANTENNA**

(A division of Wade Antenna, Inc.)

29 Sharp Road, Brantford, Ontario  
Canada N3T 5L8

Ask us today about integrating the **BlackOut** Helical Counter Drone Antenna Series into your C-UAS devices

[sales@tacoantenna.com](mailto:sales@tacoantenna.com)

[www.tacoantenna.com](http://www.tacoantenna.com)

717.975.0885 / 519.756.7157

SPEC0093\_D02

H5800 Series Patterns

