

BlackOut

Helical Counter Drone Antennas

Modern security demands cutting edge, reliable tools to protect people, places and things. TACO Antenna is a leading manufacturer of innovative, engineered antenna products for a wide range of uses. Our industry leading **BlackOut** counter drone series has been specifically developed to power compact C-UAS devices.



The **BlackOut** series of counter drone products includes two specialized antennas, both using TACO's circular polarized helical antenna design.

The original **BlackOut DH2415-5815-SMAF**, and new, more compact **DH2413-5814-SMAF**, use our patented dual helical configuration, providing complete coverage in the 2.4 and 5.8 GHz frequencies.

The new **BlackOut H-L1L2-13-NF** delivers counter drone coverage to the L1 and L2 GPS frequencies. Both products deliver industry leading frequency coverage, with a high power output to create maximum energy transmission.

Experience the Advantages of TACO's drone jamming design

With TACO Antenna's **BlackOut** series of 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*



SPECIFICATIONS

MECHANICAL					
MODEL	DH2413-5814-SMAF		DH2415-5815-SMAF		H-L1L2-13-NF
FREQUENCY	2.40-2.50 GHz	5.70-5.85 GHz	2.40-2.50 GHz	5.70-5.85 GHz	GPS L1 & L2 (1.15-1.62 GHz)
Length From Bottom of Ground Plane - in (cm)	8.0 (20.3)		16.0 (40.6)		18.1 (46.0)
Radome Diameter - in (cm)	2.0 (5.1)		2.0 (5.1)		3.0 (7.6)
Ground Plane Diam - in (cm)	4.5 (11.3)		4.5 (11.3)		6.0 (15.2)
Weight - lb (kg)	0.7 (0.3)		1.0 (0.5)		1.9 (0.9)
Housing	Polycarbonate		Polycarbonate		Polycarbonate
Color	Flat Black		Flat Black		Flat Black
Mounting	4 studs		4 studs		4 studs
ELECTRICAL					
Connectors	2		2		1
Gain - dBic	13	14	15		13
Impedance - Ohm	50		50		50
VSWR	2:1		2:1		2:1
F/B Ratio dB	>20		>20		>20
Polarization	RHCP	LHCP	RHCP	LHCP	RHCP
HPBW - ° (GHz)	43	31	28	19	41 (1.4)
Terminal Type	SMAF		SMAF		NF
Max Input Power - W	100		100		100

