

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 specialized counter drone antennas uses TACO's circular polarized helical antenna design.

Our **BlackOut DH models** use our patented dual helical configuration. All three provide complete coverage in the 2.4 and 5.8 GHz frequencies, but with different gain and dimensions to better suit your specific need.

The new **BlackOut H-L1L2-13-NF** delivers counter drone coverage to the L1 and L2 GPS frequencies. Each delivers 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'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	DH2412-5813-SMAF		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	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)		8.0 (20.3)		16.0 (40.6)		18.1 (46.0)
Radome Diameter – in (cm)	2.0 (5.1)		2.0 (5.1)		2.0 (5.1)		3.0 (7.6)
Ground Plane Diam – in (cm)	3.0 (7.6)		4.5 (11.3)		4.5 (11.3)		6.0 (15.2)
Weight – lb (kg)	0.6 (0.27)		0.7 (0.3)		1.0 (0.5)		1.9 (0.9)
Housing	Polycarbonate		Polycarbonate		Polycarbonate		Polycarbonate
Color	Flat Black		Flat Black		Flat Black		Flat Black
Mounting	4 studs		4 studs		4 studs		4 studs
ELECTRICAL							
Connectors	2		2		2		1
Gain - dBic	12	13	13	14	15		13
Impedance - Ohm	50		50		50		50
VSWR	2:1		2:1		2:1		2:1
F/B Ratio dB	>20		>20		>20		>20
Polarization	RHCP	LHCP	RHCP	LHCP	RHCP	LHCP	RHCP
HPBW - ° (GHz)	43	31	43	31	28	19	41 (1.4)
Terminal Type	SMAF		SMAF		SMAF		NF
Max Input Power - W	100		100		100		100

PATTERNS

