



DH2412-5813-SMAF



DH2413-5814-SMAF



DH2415-5815-SMAF



Universal Bracket

Sold separately

Dual Frequency 2.4 GHz / 5.8 GHz Circular Polarized Antennas

MODELS: *DH2412-5813-SMAF, DH2413-5814-SMAF, DH2415-5815-SMAF*

Modern industry demands cutting edge, reliable tools to keep people, places and things running smoothly. TACO Antenna is a leading manufacturer of innovative, engineered antenna products for a wide range of uses. Our industry leading series of specialized **WiFi Multi-Band Helicals** have been specifically developed to be an integrated component of your communication architecture, using TACO's patented circular polarized helical configuration. Our three 2.4/5.8 GHz models provide complete coverage throughout their entire bands, but each offer different gains and dimensions to better suit your specific need.

APPLICATIONS: *Mining, public safety, elevator & ventilation shafts, downtown corridors, tunnels, warehousing, video surveillance, parking lots, counter drone, Wi-Fi Mesh, WiMax, ISM, VOIP*

Rugged Construction

Polycarbonate radome and sealing gasket ensure water and dust ingress protection

Exceptional Performance

Less interference than with linear signal for cleaner line of sight, greater data throughput and transmission distance.

Reliable Connection

Circular polarization ideal for harsh environments with severe reflections eg rock faces, water

ELECTRICAL SPECIFICATIONS

Model		DH2412-5813-SMAF	DH2413-5814-SMAF	DH2415-5815-SMAF
Impedance - Ω		50	50	50
Gain - dBic	2.4 GHz	12	13	15
	5.8 GHz	13	14	15
F/B RATIO - dB		>20	>20	>20
VSWR - max		2:1	2:1	2:1
Connector Type		SMAF	SMAF	SMAF
Number of Outputs		2	2	2
Polarization	2.4 GHz	RHCP	RHCP	RHCP
	5.8 GHz	LHCP	LHCP	LHCP
Half Power Beamwidth - $^\circ$	2.4 GHz	43	43	28
	5.8 GHz	31	31	19
Power rating - W	2.4 GHz	100	100	100
	5.8 GHz	50	50	50
Operational Temperature - C (F)		-40 to +75 (-40 to +167)	-40 to +75 (-40 to +167)	-40 to +75 (-40 to +167)

MECHANICAL SPECIFICATIONS

Length from Bottom of Ground Plane - in (cm)	8.0 (20.3)	8.0 (20.3)	16.0 (40.6)
Ground Plane Diameter - in (cm)	3.0 (7.6)	4.5 (11.3)	4.5 (11.3)
Radome Diameter - in (cm)	2.0 (5.1)	2.0 (5.1)	2.0 (5.1)
Housing	Polycarbonate	Polycarbonate	Polycarbonate
Antenna Weight - lbs (kg)	0.6 (0.27)	0.7 (0.3)	1.0 (0.5)
Antenna Color	Flat Black	Flat Black	Flat Black
Mounting	4 studs	4 studs	4 studs

TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

TACO ANTENNA

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Ask us today about integrating TACO's Wi-Fi Helical Antenna series into your mining architecture.

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PATTERNS

