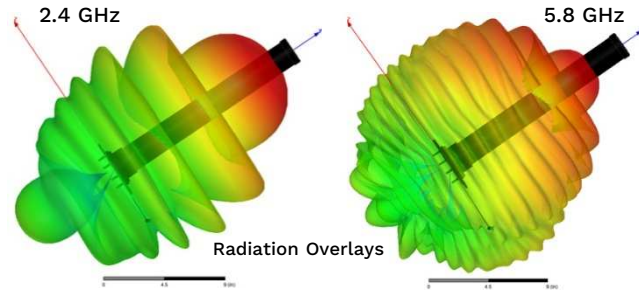
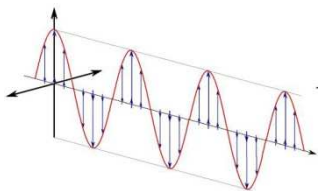


Model: DH2415/5815-NF

Patent Pending # 62/531,392

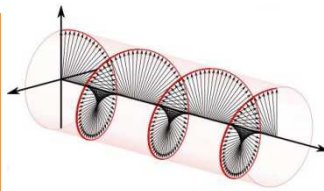


## Antenna Polarization is Critical!



**Linear Polarization**

LP to LP antennas when perpendicular:  
Signal strength down 20dB



**Circular Polarization**

CP to LP antenna, any orientation:  
Signal strength down 3dB

**Wade CP helicals perform FAR better to deliver max signal strength:**

- > Up to 17 dB stronger signal from Wade CP Helical Antenna, for any orientation
- > 570% stronger signal with Wade CP Helicals vs LP antenna

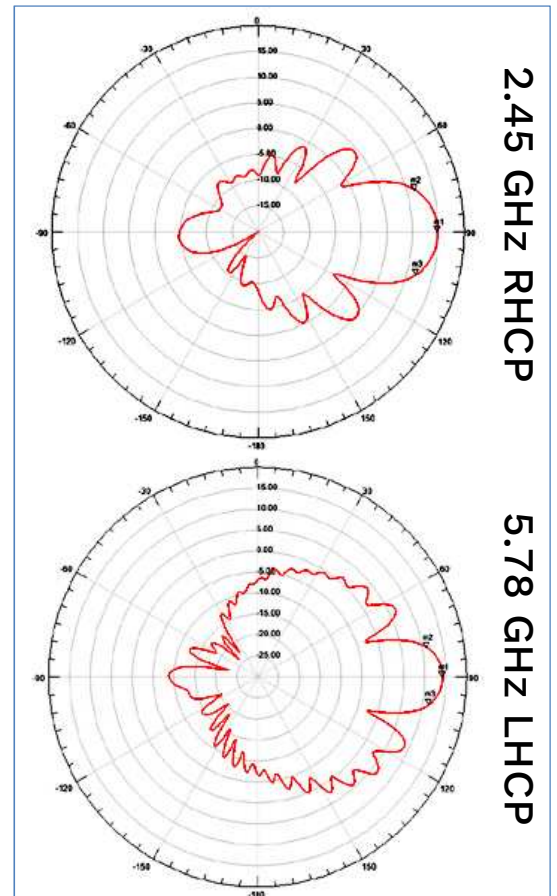
This dual frequency 2.4 & 5.8 GHz, circularly polarized Wi-Fi antenna is designed to transmit maximum energy in one direction. It's the ideal solution for elevator shafts & tunnels, mesh networks, WiMax, ISM, VOIP, video surveillance, downtown corridors, parking lots, wireless security cameras, warehousing and mining applications.

### ELECTRICAL

FREQUENCY	2.4 – 2.5 GHz	5.7 – 5.85 GHz
GAIN	15.2 dBic	14.6 dBic
IMPEDANCE	50 Ohm	50 Ohm
VSWR	2:1	2:1
F/B RATIO	>20 dB	>20 dB
POLARIZATION	RHCP	LHCP
HALF POWER BEAMWIDTH	30°	19°
TERMINAL TYPE	N Female	N Female
MAX INPUT POWER	50 W	50 W

### MECHANICAL

LENGTH	16.1 in (41 cm)
RADOME DIAMETER	2.0 in (5.1cm)
GROUND PLANE DIAMETER	4.5 in (11.5 cm)
WEIGHT	1.05 lb (0.5 kg)
HOUSING	Polycarbonate
COLOR	Flat Black
MOUNTING	4 studs



**EXISTING SINGLE FREQUENCY ANTENNAS**



**H1024**



**H2024**



**H2058**

**ELECTRICAL**

MODEL	H1024	H2024	H2058
FREQUENCY	2.4 – 2.5 GHz	2.4 – 2.5 GHz	5.7 – 5.85 GHz
GAIN	15 dBic	18 dBic	18 dBic
IMPEDANCE	50 Ohm	50 Ohm	50 Ohm
VSWR	1.5:1	1.5:1	1.5:1
F/B RATIO	>20 dB	>20 dB	>20 dB
POLARIZATION	RHCP	RHCP or LHCP	RHCP
BEAMWIDTH	~26°	~20°	~20°
TERMINAL TYPE	N Female	N Female	N Female
MAX INPUT POWER	50 W	50 W	50 W

**MECHANICAL**

LENGTH	12.0 in (30.5 cm)	30.0 in (76.2 cm)	12.0 in (30.5 cm)
GROUND PLANE DIAMETER	5.5 in (14.0 cm)	5.5 in (14.0 cm)	5.5 in (14.0 cm)
HOUSING	Polycarbonate	Polycarbonate	Polycarbonate
WEIGHT	1.75 lb (0.8 kg)	2.5 lb (1.3 kg)	1.4 lb (0.6 kg)
MOUNTING	15/8 in (4.1 cm) OD Mast or Wall	15/8 in (4.1 cm) OD Mast or Wall	15/8 in (4.1 cm) OD Mast or Wall

**TACO ANTENNA**

(A division of Wade Antenna, Inc.)  
29 Sharp Road, Brantford, Ontario  
Canada N3T 5L8  
[www.tacoantenna.com](http://www.tacoantenna.com)

**GLOBAL SALES**  
Steve Herrlinger  
Tel: 530.263.1140  
[sherrlinger@tacoantenna.com](mailto:sherrlinger@tacoantenna.com)

**EUROPE SALES**  
Jon Barton  
Tel: +44.01480.478770  
Cell: +44.07538.737796  
[jbarton@tacoantenna.com](mailto:jbarton@tacoantenna.com)

**US SALES**  
Jeff Kunkle  
Tel: 717.975.0885  
Toll Free: 866.975.4433  
[sales@tacoantenna.com](mailto:sales@tacoantenna.com)