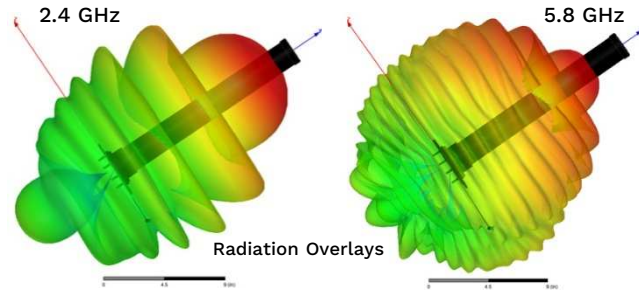
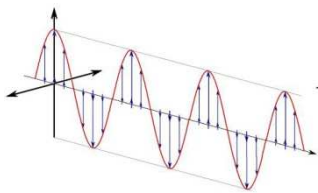


Model: DH2415/5815-NF

Patent Pending # 62/531,392

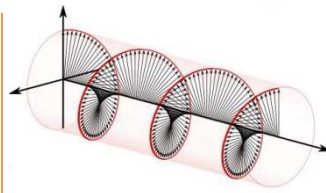


Antenna Polarization is Critical!



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

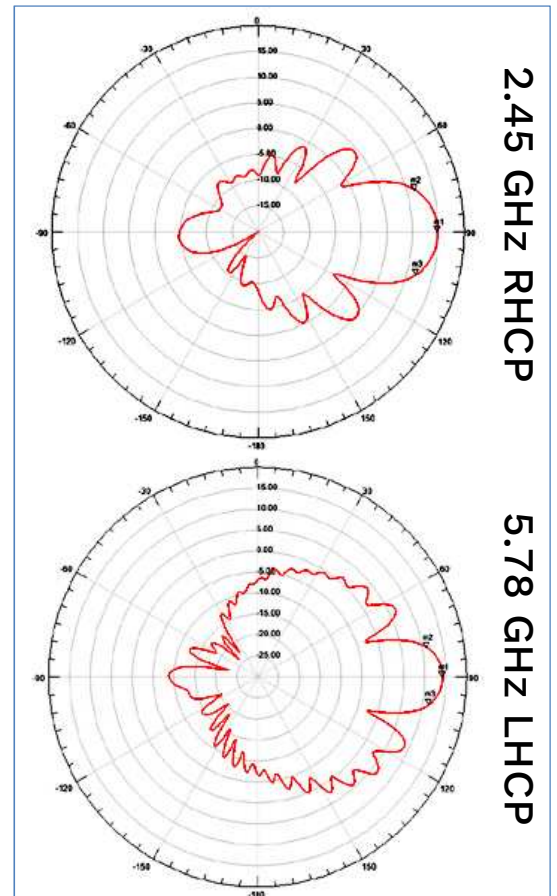
This dual frequency 2.4 & 5.8 GHz, circularly polarized Wi-Fi antenna is designed to transmit maximum energy in one direction. It's the ideal solution for elevator shafts & tunnels, mesh networks, WiMax, ISM, VOIP, video surveillance, downtown corridors, parking lots, wireless security cameras, warehousing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