

### Dual Frequency 900 MHz & 2.4 GHz Circular Polarized Antenna

The TACO Wi-Fi DH0911-2412-NF is a circular polarized dual helical antenna engineered to deliver wideband performance in the 690 MHz to 1.0 GHz, and 2.4 to 2.5 GHz range for a wide range of applications. Suitable for challenging environments, Wi-Fi antennas can be integrated into any mining communications architecture to significantly improve performance.



DH0911-2412-NF

#### ELECTRICAL SPECIFICATIONS

Frequency Range - GHz		0.69-1.0 & 2.4-2.5
Impedance - $\Omega$		50
Gain - dBic	0.9 GHz	11
	2.4 GHz	12
F/B RATIO - dB		>20
VSWR - max		2:1
Connector Type		N-Female
Number of Outputs		2
Polarization	0.9 GHz	LHCP
	2.4 GHz	RHCP
Isolation - min (dB)		-15
Half Power Beamwidth - $^{\circ}$	0.9 GHz	47
	2.4 GHz	32
Power rating - W		100
Operational Temperature - C (F)		-40 to +75 (-40 to +167)

With TACO's Wi-Fi series of circularly polarized (CP) helical antennas integrated into your mine

- **Maximum signal loss with the LP antenna is only 3dB at any orientation**
- **Consistently and substantially stronger connection**
- **Ensures greater control over your environment**



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#### MECHANICAL SPECIFICATIONS

Length from Bottom of Ground Plane – in (cm)	16.1 (40.9)
Ground Plane Diameter - in (cm)	12.0 (30.5)
Radome Diameter - in (cm)	5.0 (12.7)
Bulkhead Base Diameter - in (cm)	6.0 (15.2)
Cap Diameter - in (cm)	5.1 (13.0)
Antenna Weight - lbs (kg)	4.3 (2.0)
Antenna Color	Flat Black

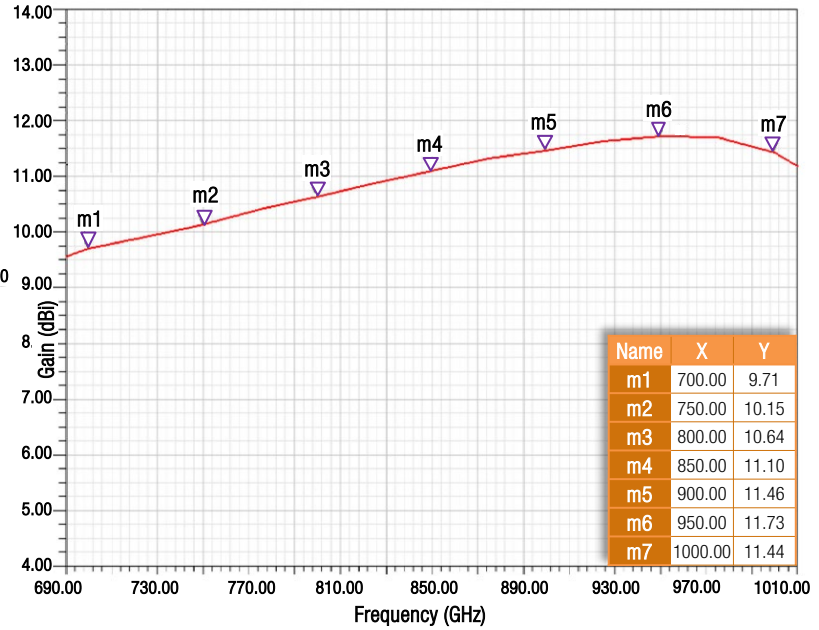
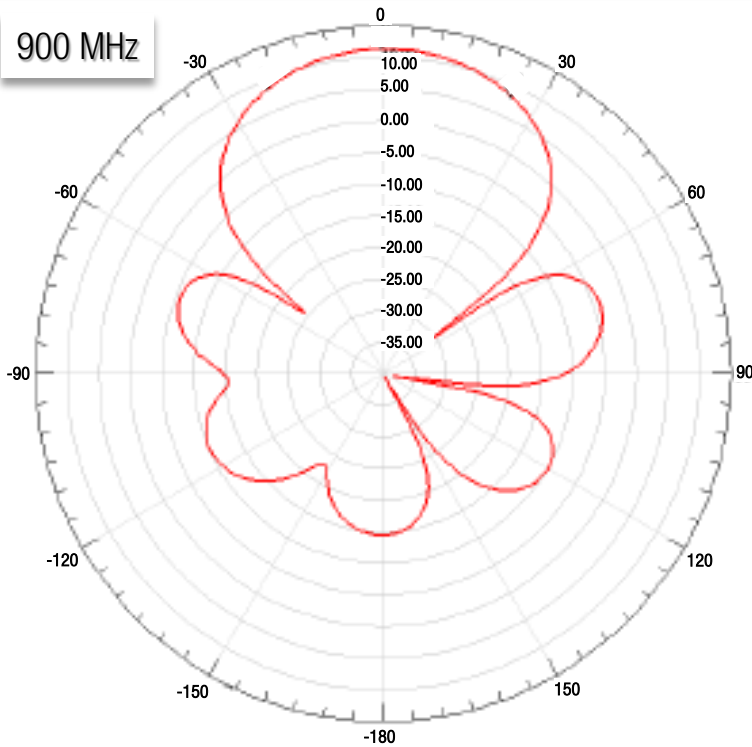
TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

**PATTERN**

**690 MHz – 1.0 GHz**

**GAIN VS FREQUENCY**

900 MHz

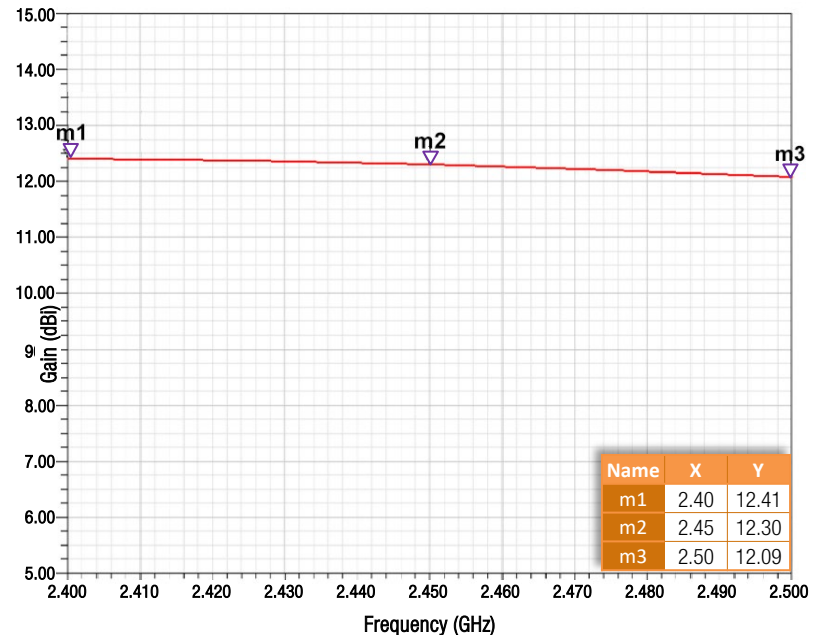
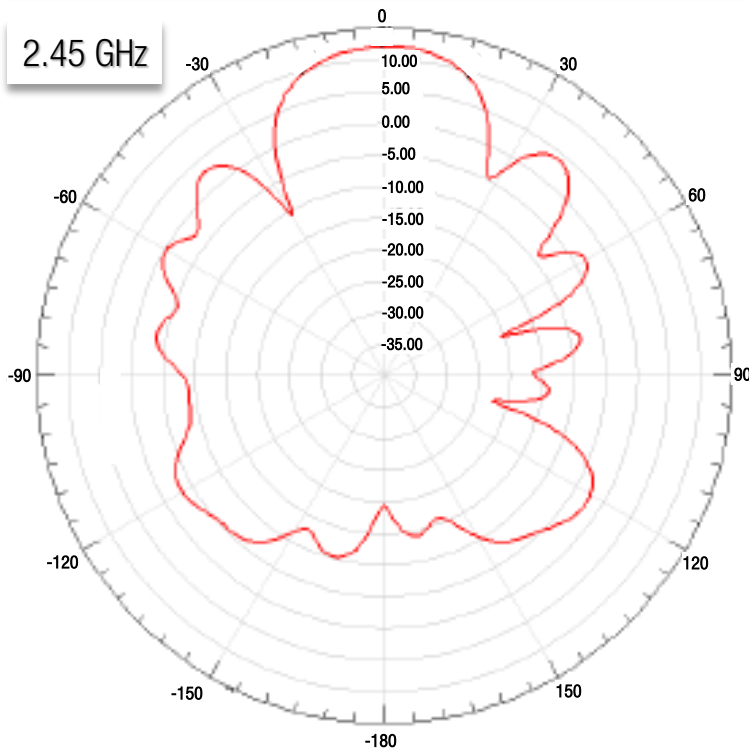


**PATTERN**

**2.40 – 2.50 GHz**

**GAIN VS FREQUENCY**

2.45 GHz



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**TACO ANTENNA**

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

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