



## 900 MHz Circular Polarized Antenna

### Model H-900-12-NF

A clean signal and a low VSWR across its entire 690 MHz to 1.0 GHz band makes the **H-900-12-NF** helical antenna suitable for almost any application, including drone jamming, public safety, mining, video surveillance, warehousing, and more. Its high quality internal components protected by an all-weather, impact resistant polycarbonate radome allow it to withstand almost any environment.

### Applications

Mining, public safety, counter drone, mining, elevator & ventilation shafts, video surveillance, warehousing, tunnels, downtown corridors, parking lots, 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 ideally suited to harsh environments that have severe reflections from rock faces, mining equipment, metal surfaces and water.

### Electrical Specifications

Frequency Range - MHz	690-1000
Impedance - $\Omega$	50
Gain - dBic	12
F/B RATIO - dB	>20
VSWR (max)	2:1
Connector Type	N-Female / SMAF*
Number of Outputs	1
Polarization	RHCP
Half Power Beamwidth @ 900 MHz - $^{\circ}$	43
Power rating - W	100
Operational Temperature – C (F)	-40 to +75 (-40 to +167)

### Mechanical Specifications

Length from Bottom of Ground Plane - in (cm)	18.6 (47.2)
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**

**NOTE:** Various mount options available.

\*Available as an option

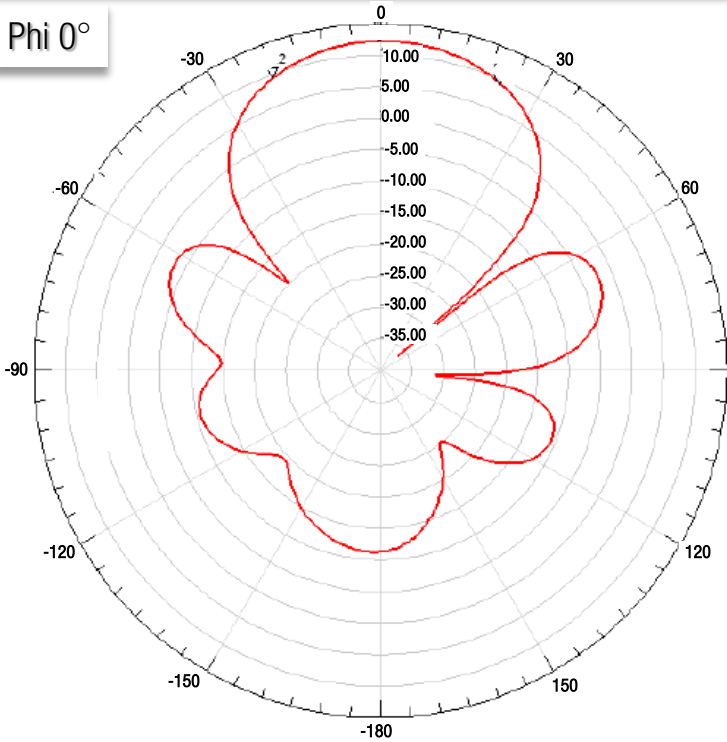
\*\*Other colors available

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

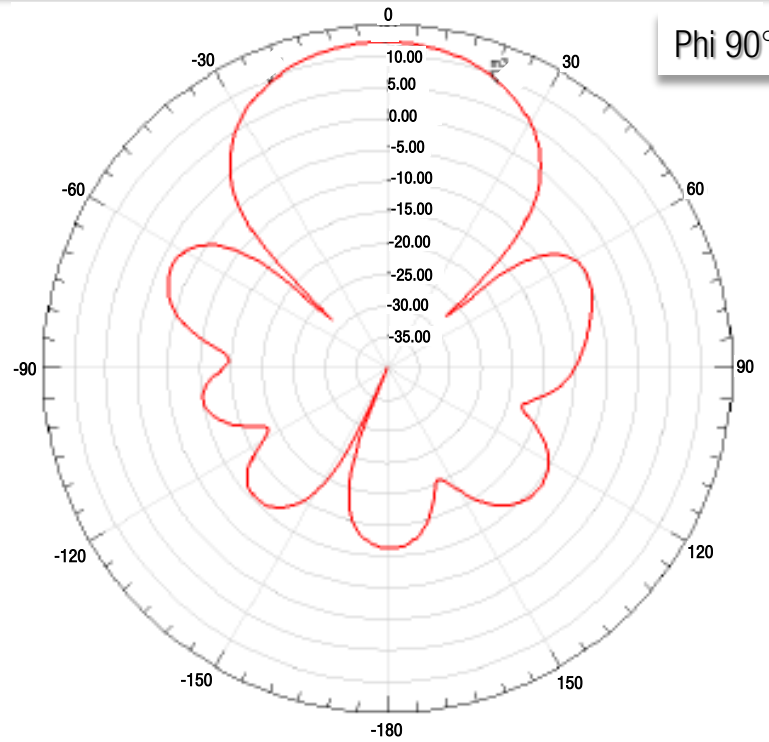
PATTERNS

900 MHz

Phi 0°

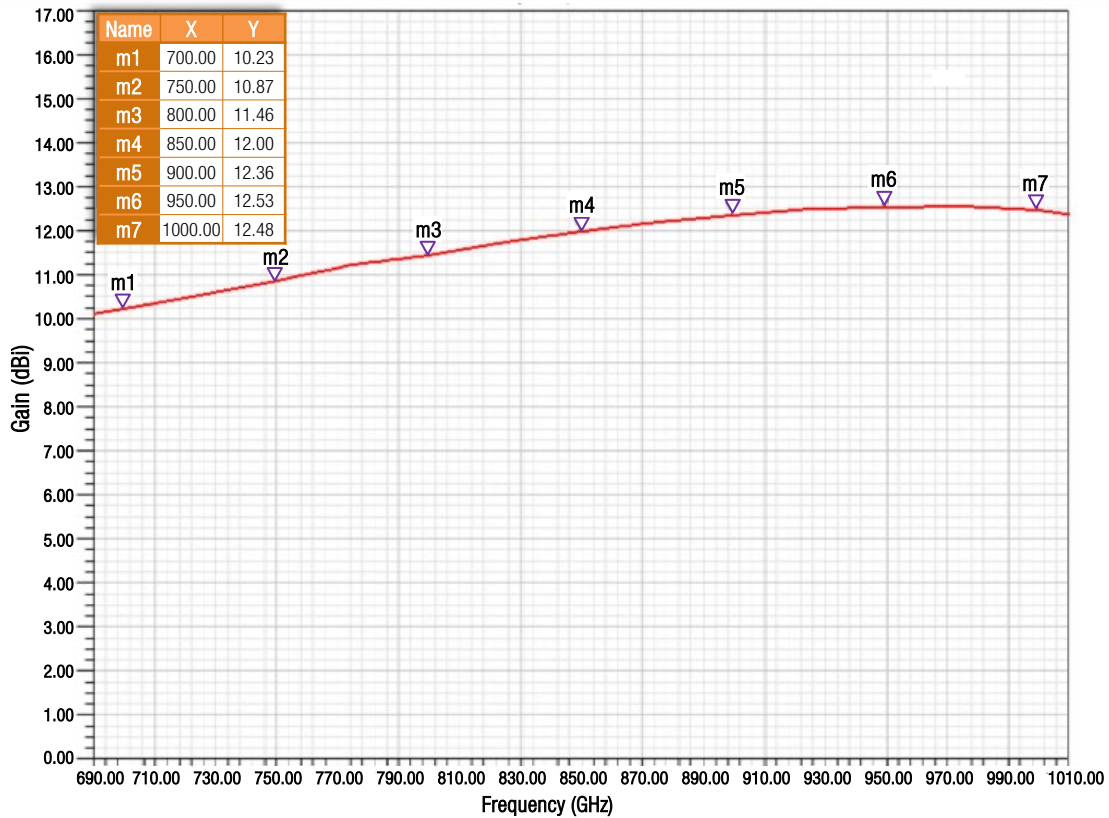


Phi 90°



GAIN VS FREQUENCY

690 MHz – 1.0 GHz



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