

Broadband Conical Spiral Antennas



Standard Features

- Receives V, H, RHC, LHC, polarized signals
- Broadband response
- Maximum signal centered on horizon
- MIL-E-16400 design
- Radome enclosed

TRAK TECOM offers two types of Omni-Directional Conical Spiral Antennas which cover the frequency spectrum of 400 – 12,000 MHz. The 201022 model is a four-arm spiral fed in the difference mode which yields a vertical plane beamwidth of approximately 55 degrees.

The 201096 and the 201143 models provide a hemispherical (180° in elevation), omni-directional pattern. They are ideally suited for Satellite Communication, Command Guidance/Control and Broadband Surveillance applications.

The entire family of antennas are circularly polarized with an average gain of 0 dBic. All antennas are radome enclosed and sealed.

Electrical Performance Specifications

Type Number	Frequency Range	Average Power (Watts)	VSWR		Polarization	Connector	Weight	
			Avg	Max			Lbs	Kg
201022	8.0 - 12.4 GHz	5	1.5:1	2.25:1	RHCP**	SMA	0.5	0.23
201096*	.406 - .550 GHz	1000	1.5:1	1.75:1	RHCP**	N	20	9.07
201143*	1.0 - 4.0 GHz	10	1.5:1	2.50:1	RHCP**	N	3	1.36

Common Electrical Performance Data:

- 1) Gain: 0 dB
- 2) Deviation from Omni: ± 3 dB
- 3) Impedance: 50 Ohms
- 4) Radome Enclosed

*Hemispherical, Omnidirectional Pattern

**LHCP Available Upon Request



www.trak.com



Follow Us



solutions@trak.com