



Our Mission

Astron's mission is to provide high quality antenna solutions using proven best practices that are supported and managed by the most highly skilled people available.

Our Focus

We are committed to ensuring that our customers' investment always satisfies their business needs while creating a successful outcome for them, their constituents, and our employees.

We are a company of results oriented professionals dedicated to building relationships with our customers based on superior performance.

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MEETING THE CRITICAL RF AND RFID NEEDS OF THE DEFENSE WIRELESS MARKET

Provider of Advanced
Antennas for the Military



*"Our Standard is your
Customized Solution"*

www.astronwireless.com

ADVANCED ANTENNAS

Using a **PATENT PENDING** proprietary technology known as **HESA™**, Astron can design and produce antenna solutions with greater efficiency, sensitivity and accuracy.

Products

- ◆ HESA™ Beam Former Network
- ◆ 2 MHz to 18 GHz Direction Finding (DF)
- ◆ UHF SATCOM (Tx/Rx) Helix Antennas
- ◆ VHF/UHF Multi-Colinear Dipole Antennas
- ◆ HF Broadband Antenna Systems
- ◆ HF Active Miniature Receiver Antennas
- ◆ HF Transmit Antennas
- ◆ HF Receive Antennas
- ◆ UHF Multi-Band Single Discone Antenna
- ◆ VHF Multi-Band Discone Antenna
- ◆ VHF/UHF Airborne Blade Antennas

Features and Options

- ◆ DF Array, HF/VHF/UHF, Miniaturized
- ◆ Multiple Interfaces
- ◆ Small Form Factor
- ◆ Modular Components
- ◆ Smart Controller

Applications

- ◆ Advanced RF designs—Electronic Warfare, SIGINT, UAV, UTV, UUV sub-systems
- ◆ Intelligent Battlefield Systems (IBFS)
- ◆ Tactical Command & Control
- ◆ Joint Tactical Radio Systems (JTRS)
- ◆ SATCOM, Base Station, Tactical—Miniaturized Antennas
- ◆ MANPACK—Portable Systems
- ◆ UHF On-The-Move (OTM) Solutions

CAPABILITIES

Services

- ◆ RF Communications Consulting
- ◆ Custom design and construction
- ◆ ANSOFT HFSS Modeling
- ◆ Manufacturing Facilities
- ◆ Engineering Laboratory
- ◆ Prototyping and Assembly
- ◆ RFID/Bar Code Integrations

Testing

- ◆ Antenna Testing Services
- ◆ 132 Acre Testing Range
- ◆ 5 Calibrated Antenna Ranges
- ◆ 20' Rotating Mast (400 lb Capability)
- ◆ Outdoor Short Ranges
- ◆ Anechoic Chamber

Management

- ◆ Project Management
- ◆ Proposal Capture Management
- ◆ Contract Management
- ◆ Deltek Accounting Software
- ◆ DCAA Approved Rates
- ◆ Facility Security Clearance (DSS)
- ◆ QA/QC—MIL SPEC Standards

PATENT PENDING

Our HESA™ technology optimizes antenna and system efficiency that leads to greater signal capture and reduced error rates. As a result, additional frequencies can be added to achieve more target bandwidth while maintain accuracy in a miniaturized form factor.

