

MODEL ETFM2M30RT

HF/NVIS VEHICULAR MOUNT ANTENNA



Astron's HF Vehicular mount antenna for Receive and Transmit applications incorporates the latest in HF dielectromagnetic materials technologies. The model ETFM2M30RT at only 42" inches in height is designed for dual use operations on military vehicles. It is capable of being used in standard line of site (LOS) communication operations and near vertical incidence signals (NVIS), and on the move (OTM) operations without any changes to the antenna.

Corporate Offices: Astron Wireless Technologies, Inc. 22560 Glenn Drive, Sterling Virginia 20164 Tel: 703-450-5517 or Toll Free 1-877-567-7646 Fax: 703-450-9753, www.astronwireless.com

Integrated Barcode Technology (div.) 10015 Old Columbia Rd., Suite B-215, Columbia, Maryland 21046, Tel: 301-596-7500 or Toll Free 1-800-996-3101 Fax: 301-596-2127, www.integratedbarcode.com

Typical existing HF vehicle whip antennas are 12 to 16 ft. tall and require being tied over for NVIS operation, meaning a soldier must exit the vehicle and physically alter the antenna by removing a pin in the mounting base and tying the antenna over to receive NVIS.

The ETFM2M30RT has matched gain that equals or exceeds the longer whip antennas over most of the operating frequency band. The antenna is useable with currently fielded HF radios, such as the Harris AN/PRC 150(c) with a built in matching networks. The antenna comes with a sealed radome and a spring base. The base plate mounts using a standard NATO bolt pattern. The antenna's size reduction and high performance levels are achieved by the use of dielectro-magnetic materials incorporated within the radiating structure of the antenna.

General Specifications:

Frequency:	2MHz to 30 MHz
Antenna type:	Dielectro-magnetic tilted folded monopole
Polarization:	Responds to vertical and horizontal
Impedance:	50 ohms
Connector:	Type N Jack
RF Power:	30 Watts
Height:	42 inches
Diameter:	4 inches
Mounting:	Standard NATO Bolt Pattern
Weight:	26 lbs.

***Astron antennas for
military use may be
subject to US export
controls, export
licenses may be
required.***

(Release date: 9/17/2012)

FREQUENCY	Matched GAIN (LOS)	Matched GAIN (NVIS)
2 MHz	-32 dbi	-44 dbi
3 MHz	-28 dbi	-42 dbi
6 MHz	-18 dbi	-32 dbi
10 MHz	-8 dbi	-17 dbi
13 MHz	-5 dbi	-11 dbi
16 MHz	-2 dbi	-6 dbi
30 MHz	0 dbi	N/A

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