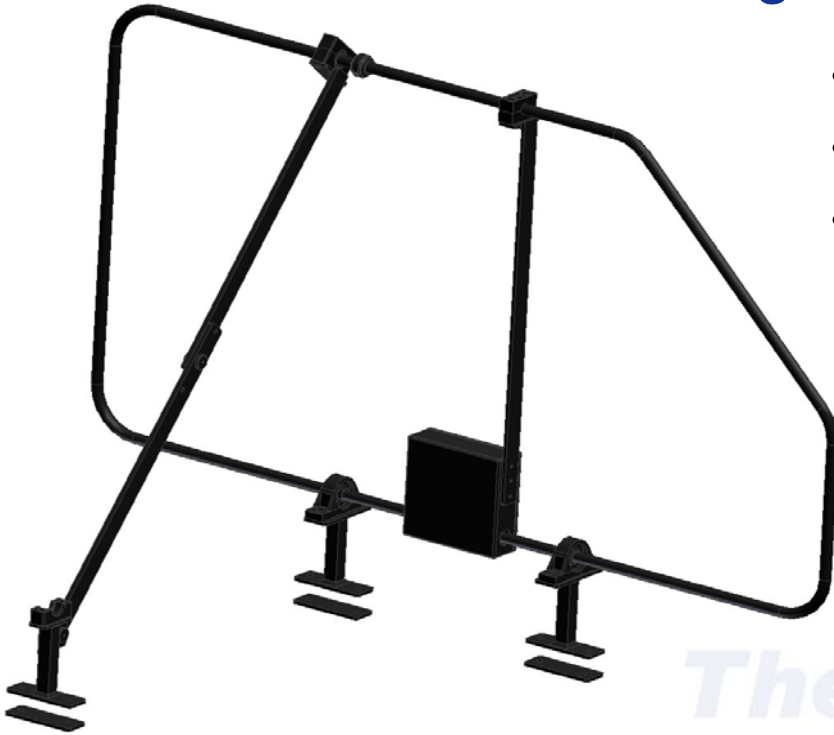
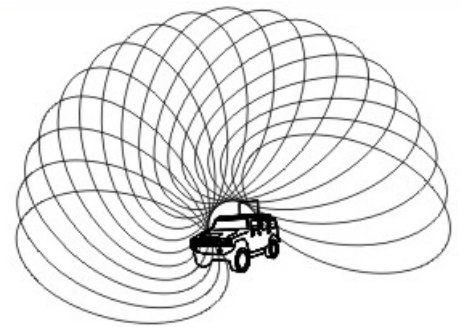




Mobile Folding NVIS Loop Antenna



- Frequency Range: 3.0 - 15.0 MHz
- TX Power Input: 1.5 - 200 Watts PEP
- Less than 10 mS tuning time

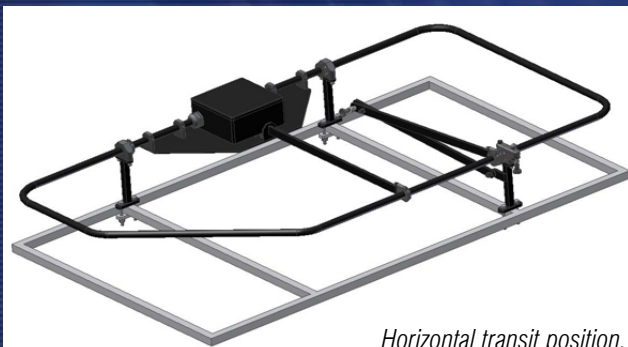


Radiation Plot

*The Future
Never Sounded
So Good...*

Description

The Loop antenna has been designed and manufactured to meet the requirements of NVIS HF mobile communications for both on-road and off-road vehicles, and has been designed to meet the requirements of Mil-810 C, D, and E. High conductivity copper tubing is used in the loop element to provide high communication efficiency, and a custom-modified electronic tuner is used to provide a 50 ohm nominal termination impedance at all operating frequencies. The termination arrangement is hermetically sealed to IP66 specifications. Following initialization, where the tuner unit memorises each operating frequency used by the HF transceiver, each subsequent tune operation is completed within 10mS. As such, it is inherently compatible with virtually any HF transceiver over the operational frequency range and power rating with no separate channel control required to the antenna.



Horizontal transit position.

Frequency Range:	3.0 - 15.0 MHz
Fitted Weight:	13kg excluding cables
TX Power Input Range:	1.5-200 Watts PEP
Continuous TX CW/Data Power:	80W
Number of operating channels:	unlimited
Input Impedance:	50 Ohms nominal
VSWR:	Typically less than 2:1 when tuned, (3:1 max)
DC Operating Range:	+10.0V to 18.5 V DC, (+13.8 V DC nominal) 24V option available
DC Current:	230 mA average
Initial tuning response time (for initial memory setting only):	2-20 sec per channel
Recurrent tuning response time (for on-air inc. freq hopping):	Typically less than 10 ms per channel
Operational Temperature:	-35° to +70°C
Control cable:	Standard 50 ohm coaxial cable plus DC feed
Available colour options:	Black, White, Green, Yellow or Grey
Connectors	IP66 or Military standard

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