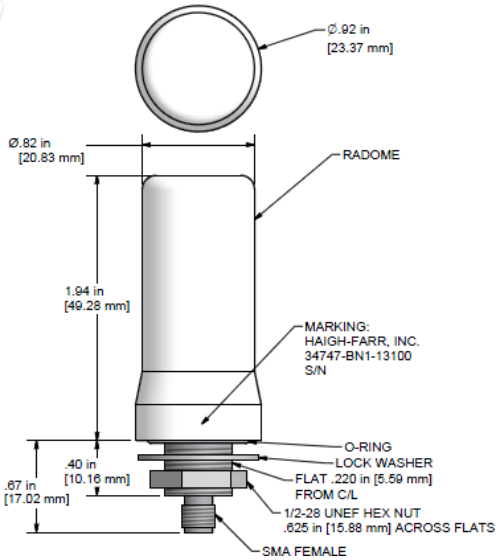
THE WORLD LEADER IN HIGH PERFORMANCE WRAPAROUND™ ANTENNAS.

BROAD-BAND BUTTON ANTENNA P/N BN1-13100

Model BN1-13100 covers frequencies from 1.2 to 3.4 GHz. It provides the omnidirectional coverage of a stub in a rugged package. Haigh-Farr Button antennas are designed for applications where size and weight are critical. They utilize well-proven materials and methods of construction, providing a solid package and requiring only one "D" hole installed in the vehicle for mounting. Superb protection is obtained through the use of a high-impact, high-temperature radome, with excellent properties in environments containing moisture and contaminants.



ELECTRICAL:

Frequency Band:	1.2-3.4 GHz
Power:	>30W Average
VSWR:	<1.8:1 typical, 2.15:1 max over operating band
Input Impedance:	50 Ohms nominal
Polarization:	Linear, vertical
Radiation Pattern:	Omni-directional (see patterns)

MECHANICAL:

Connector:	SMA Female Standard (TNC Optional)
Dimensions:	See above drawing
Weight:	2 oz (57 gm)
Finish:	All exposed metallic surfaces are passivated stainless steel
Environmental:	Typical for supersonic airborne applications
Mounting:	Through "D" hole in vehicle and secured using lock washer and nut

DESIGN CAPABILITY

Haigh-Farr has an over 40 year history of designing and producing exceptionally rugged, high-performance antennas. If you don't find an antenna meeting your requirements in our standard list of products, Haigh-Farr has the experience and modeling capability to customize a solution. Adaptations of existing designs can be done with very short lead times. Contact Haigh-Farr for a review of your antenna requirements.

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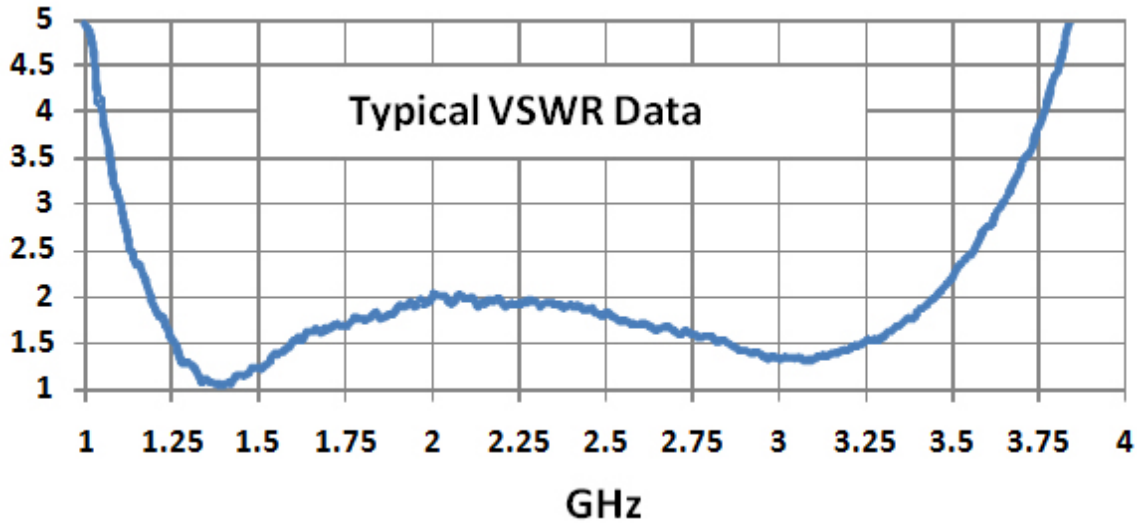

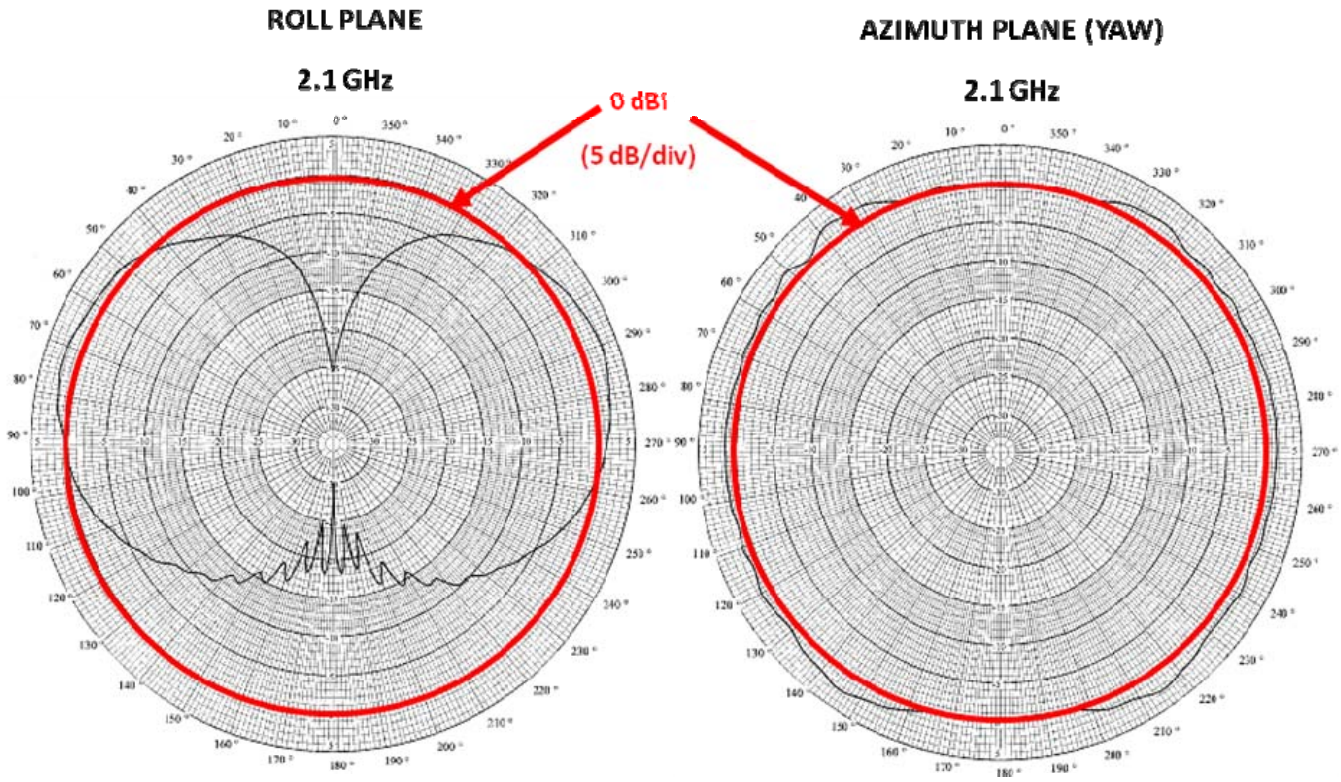

Note: Measured on a smooth cylindrical groundplane. Fins and other protrusions on the vehicle will perturb the radiation pattern. The extent of any perturbations cannot be fully determined until radiation patterns are either calculated or measured on a model of the vehicle. Haigh-Farr offers engineering services, which include the calculation of radiation patterns on a specific vehicle.

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