Title: Fibre Weight Fraction Measurements on Travel Coupons of Nose Cone Radome for Jaguar Maritime Aircraft

Author(s): A. Revathi, RMVGK Rao

Division: FRP Div.  
NAL Project No.: X-0-103

Document No.: PDRP0301  
Date of Issue: July 2003

Contents: 1 Pages  7 Figures  -- Tables  6 Annexures: ---

External Participation: Nil

Sponsor: HAL

Approval: Head, FRP Division

Remarks: --

Keywords: Composite materials, Fibre weight fraction, RIT, Muffle furnace

Abstract: As per design requirements, the fibre weight fraction measurements on the Jaguar radome prototypes fabricated should be 0.55 to 0.60. In order to maintain the desired weight fraction and ensure effective online quality monitoring and assessment during full scale component fabrication cut out pieces from the base ring of the radomes were chosen randomly to represent the travel coupons for the determination of fibre weight fraction.