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Title Evaluation of Fock-type Integrals and Airy Functions for UTD Applications

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Division ALD

NAL Project No. A 8 110

Document No. PD AL 9501

Date of issue March 1995

Contents **Pages** **Figures** **Tables** **References**

External Participation -

Sponsor

Approval Head, ALD

N. Srinivasan 2/8/95

Remarks

Keywords Fock-type integrals, Airy functions, UTD, Antenna analysis

Abstract

The integrals involving Fock type Airy functions are used in the GTD/UTD antenna analysis. In this document, the evaluation of the soft and hard Fock integrals and the Fock type airy functions are described. A interpolation routine is used to determine the values of the integrals where the approximate formulae are not valid. The Subroutines for these are written in FORTRAN the listing of which is also included.