

PRELIMINARY SPECIFICATION FOR ANDREW TRASAR® HORIZONTALLY POLARIZED COAXIAL SLOTTED ARRAY ANTENNA

MECHANICAL CHARACTERISTICS:

MOUNTING CONFIGURATION: Side Mount*
*(Tower Interface supplied and installed by others.)

HEIGHT OF ANTENNA: 59.0 feet

HEIGHT OF CENTER OF RADIATION (B): 29.5 feet

OVERALL HEIGHT (A): 62.0 feet
(Includes two 3 foot Lightning Rods)

DEICING: Pressurized Radome Enclosure

RADOME DIAMETER (C): 14.4 inches, O.D.

RADOME COLOR: WHITE

CLIMBING DEVICE: Not Applicable

CALCULATED WEIGHT: 1,550 lbs.

WINDLOAD DATA²: SHEAR: 4,455 lbs.

ANTENNA AREA: C_AA_C: 92.2 square feet
A_C: 76.8 square feet

This antenna is designed to be supported by a structure that can resist the antenna base reactions and which provides a support that is rigid in the three translational and three rotational degrees of freedom.

1 Calculated weight is based on the **PRELIMINARY** design of the antenna. The actual weight of the antenna will be within ± 10% of the calculated weight. The actual weight will be given in the technical manual that accompanies the antenna. This figure is for the antenna only and does not include the antenna input section.

2 Based on a wind speed of **85 miles per hour (MPH)**, a height above average terrain (HAAT) of **990 feet**, and a height above ground level (HAGL) of **1,119 feet** per **EIA/TIA-222-F**.

NOTE: Localized conditions may require higher wind speed specifications than TIA/EIA specifications. Check with local authorities to verify wind speed requirements.



Andrew Corporation
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

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