

Technical Description

The Boeing Company

Submitted: 10/1/2021

By

Kenneth.P.Bohn

The Boeing Company

Global Spectrum Management MC: 1K-105

P.O. Box 3707

Seattle, WA 98124-2207

(931)338-0867

JUSTIFICATION:

USAF/AFMC CONTRACT NO: N/A

The Boeing Company is requesting a Special Temporary Authorization (STA) to support Project Countdown. The purpose of this procedure is to perform ground testing of the aircraft after modifications have been performed prior to flight tests at Yuma Proving Grounds.

OBJECTIVE & TEST DESCRIPTION

This procedure includes turning on this radar altimeter, but will be limited to on-ground operations. Testing will include vehicle and system health checks, EMC testing, and SMI testing. This test unit will be to test aircraft susceptibility to commonly used air traffic control signals. For transponder and IFF we must be able to radiate open air but can use whatever operating restrictions and modes necessary to reduce interference risk.

OPERATION OVERVIEW

Manufacturer: Aeroflex
Model: IFR 6015
Frequencies: 978 MHz, 1104 MHz, 979 MHz; 1030 MHz; 1090 MHz
Emissions: 650KV1A, 11M5V1D, 11M5M1D
Effective Radiated Output: **0.006 W**
Station Class: **FAT1**

STOP BUZZER POINT OF CONTACT:

Kristen Kokkeby, +1 (951) 258-8736

LOCATIONS:

Boeing Facility, Mesa, AZ

33-28-15N; 111-43-43W

Radius: **1Km**