

Technical Description

The Boeing Company

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By

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The Boeing Company

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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 establishing a connection between this ground control station command and control (C2) radio and the aircraft C2 radio. Testing will include vehicle and system health checks, EMC testing, and SMI testing.

Frequencies listed below are desired but we are able to accept at minimum 10 separate frequencies between 450-460 MHz with spacing of at least 250 kHz between channels. Additional frequencies above the minimum allow for increased performance and margin.

OPERATION OVERVIEW

Manufacturer: Rohde and Schwartz

Model: AR5000

Frequencies: 450-460MHZ

250KG3E

Emissions:

Effective Radiated Output: 40W

Station Class: **FAT1**

STOP BUZZER POINT OF CONTACT:

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LOCATIONS:

Boeing Facility, Yuma, AZ

32-51-18N; 114-23-47W

Radius: **1Km**