

Technical Description

The Boeing Company

Submitted by
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The Boeing Company
Frequency Management Services MC: 2T-22
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JUSTIFICATION:

This Special Temporary Authorization (STA) is required to conduct High Frequency (HF) radio selection testing and EMC testing.

DATES OF OPERATION

Start Date: November 1, 2011
Stop Date: April 30, 2012

OBJECTIVE & TEST DESCRIPTION

The radios will be keyed up for about 30 seconds at each frequency across the HF frequency band while monitoring the other aircraft subsystems for interference and evaluate radio capability.

TEST OVERVIEW

TX Manufacturer:	Various
TX Model:	AN/ARC-220 or equivalent
Frequencies:	2-30 MHz 28 Frequencies across band with 1 MHz minimum separation
Emission:	N0N
Transmit Output Power:	175 Watts Peak (Maximum)
Antenna Gain:	3 dB (Maximum)
Effective Radiated Output:	213 Watts
Antenna:	Dipole
Station Class:	FX

STOP BUZZER POINT OF CONTACT:

Vincent Mancuso
610-591-7215

LOCATIONS

Location 1

Location: Ridley Park, MD
Latitude: 39° 51' 59" N
Longitude: 75° 19' 39" W
NAD83
Elevation: 20 Feet
Radius: 1 Kilometer

Location 2

Location: Fort Walton Beach, FL
Latitude: 30° 25' 35" N
Longitude: 86° 41' 38" W
NAD83
Elevation: 65 Feet
Radius: 1 Kilometer

Location 3

Location: Brandywine Airport West Chester, PA
Latitude: 39° 59' 24" N
Longitude: 75° 34' 54" W
NAD83
Elevation: 466 Feet
Radius: 1 Kilometer