

Technical Description

The Boeing Company

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Boeing Frequency Manager

The Boeing Company

Frequency Management Services MC: 2T-22

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JUSTIFICATION:

Test of Boeing Maritime Surveillance Aircraft (MSA) Demonstrator

These frequencies are requested to support Boeing MSA aircraft demonstration at PAX River MD, and Army Proving Ground MD. The MSA demonstrator is a Bombardier Challenger 604 reconnaissance aircraft, capable of long-range broad-area maritime, littoral, coastal surveillance and intelligence operations.

OBJECTIVE & TEST DESCRIPTION

This requirement supports Line Of Sight data link communication testing during flight test.

OPERATION OVERVIEW

Start Date: September 14, 2015

Stop Date: February 14, 2016

Manufacturer: Reliable System Services Corp.

Model: RT-1944/U

Manufacturer: Persistent Systems,

Model: Wave Relay

Frequencies: 2200 – 2280 MHz, 2391-2495 MHz,

Emissions: 19M4W7D, 3M85G1D, 7M7G1D, 15M4G1D,
4M06D1D, 8M13D1D, 16M3D1D

Transmit Output Power: 10 Watts

Antenna Gain: 24 dBi

Effective Radiated Output: 1532 Watt

Station Class: FX/MO

STOP BUZZER POINT OF CONTACT:

Mark Poad at 253-657-8265 or Tom Ott at 253-657-7934

LOCATIONS

Location: Boeing Building 68-22

LAT: 38°53'43"N

Longitude: 77° 01' 23" W

Radius: 600 Kilometers Max

Flight Level: 37,000 Feet AGL