

Technical Description

The Boeing Company

04/09/2014

Submitted:

By Allen S. Lindsay

The Boeing Company

Frequency Management Services MC: 2T-22

P.O. Box 3707

Seattle, WA 98124-2207

206-544-6053

JUSTIFICATION:

Direct Military Sales Contract with USAF/AFMC for KC-46A Engineering and Manufacturing Development under CONTRACT NO: FA8625-11-C-6600

This request supports Boeing's KC-46A EMD flight test program. The KC-46A is the next generation multi-role Tanker offering improved aerial refueling capability, strategic military transport, medevac, and enhanced survivability. This requirement supports flight and ground tests of the aerial refueling system including drogue control law development, performance evaluation and customer demonstration flight operations. **Boeing is assigned 2365MHz under FCC call sign WH2XAB, 0039-EX-PL-2014. Request same frequency be assigned!**

OBJECTIVE & TEST DESCRIPTION

The system supported by this request will operate at Boeing Field and surrounding areas and consists of an S-band telemetry transmitter and associated IRIG-106 Chapter 4 PCM signal generator. The associated system will be install and flown on a Boeing-operated T-33 in close proximity (0-10 miles) to a KC-46A aircraft with the intent to provide a method for inflight telemetry functional check and RF reception performance.

OPERATION OVERVIEW

Start Date:	June 1, 2014
Stop Date:	June 1, 2015
Manufacturer:	L-3 Communications
Model:	TTX36S-20A
Frequencies:	M2365
Emissions:	5M00M2D
Transmit Output Power:	20W (max)
Antenna Gain:	3 dBi
Effective Radiated Output:	25 W
Station Class:	MO

STOP BUZZER POINT OF CONTACT:

Boeing Test Operations Center at 206-544-7000

Dave Black – 206-544-8583

OPERATING LOCATIONS

Location: North Boeing Field, Seattle WA

Latitude: 47-32-18 N

Longitude: 122-18-51 W

Radius: 250 Miles

Location: Grant County Airport, Moses Lake, WA

Latitude: 47-12-24 N

Longitude: 119-19-13 W

Radius: 250 Miles