

Technical Description

The Boeing Company

Submitted: 2/28/2014
By Allen Lindsay
Boeing Frequency Manager
The Boeing Company
Frequency Management Services MC: 2T-22
P.O. Box 3707
Seattle, WA 98124-2207
206-544-6053

JUSTIFICATION:

Test of Boeing demonstration equipment

These frequencies are requested to support Boeing IRAD demonstration equipment. Boeing will be lab testing the equipment near Boeing Field in Washington State mid 2014 and will conduct flight tests around Palmdale, CA and Edwards AFB mid 2015.

OPERATION OVERVIEW

Start Date:	June 1, 2014
Stop Date:	September 30, 2016
Manufacturer:	L3 Communications
Model:	Mini CDL 200
Frequencies:	14.4 GHz – 14.83 GHz 15.15 GHz – 15.35 GHz
Emissions:	147MG1D 21M4G1D 38M6G1D 42M8G1D 64M0G1D 89M5G1D
ERP:	47W

Manufacturer:	The Boeing Company
Model:	DNW
Frequencies:	14.7145-15.1365 GHz
Emissions:	320MG2W
ERP:	2259 W

Manufacturer:	The Boeing Company
Model:	Boeing Experimental
Frequencies:	16.2-17.3 GHz
Emissions:	1G10W3N
ERP:	34,289.2 Watts

Station Class:	MO
----------------	----

STOP BUZZER POINT OF CONTACT:

Jeff Sawatzky 206-850-2720; Marty Pitts 206-766-3964; Michael S Foster 206-459-8605

LOCATIONS

Location: Tukwila, WA (9-98 bldg and/or Boeing Field)
Latitude: 47 31 58.4 N
Longitude: 122 18 39.2 W
Radius: 50 Kilometers
Max Flight Level: Ground

Location: Palmdale, CA
Latitude: 34 38 11 N
Longitude: 118 5 51 W
Radius: 300 Kilometers
Max Flight Level: 10k Feet AGL

Location: Edwards AFB
Latitude: 34 58 19.9 N
Longitude: 117 52 3.2 W
Radius: 300 Kilometers
Max Flight Level: 10k Feet AGL