

Technical Description

Submitted by Joel Thorsheim on behalf of Insitu
The Boeing Company
Frequency Management Services
P.O. Box 3707 MC: 2T-22
Seattle, WA 98124-2207
206-544-6066 Office

Dates of Operation:

Start Date: 30 March 2016

Stop Date: 30 March 2018

Equipment and Frequency Requirements

Command and Control Uplink from Ground Station to UAS

Frequency Band: 5030-5040 MHz

Emission: 230KF1D

Output Power: 1259 Watts ERP

Mobile Command and Control Downlink from UAS to Ground Station

Frequency Band: 5030-5040 MHz

Emission: 230KF1D

Output Power: 1 Watt ERP

Ground Control Station and/or Ground Checkout Locations

City and State: Boardman Bombing Range, OR (Restricted Airspace R-5701)

Latitude and Longitude: 45-44-54 N 119-47-38 W

Radius of Operation: Fixed within 1 kilometers

City and State: Arlington, OR

Latitude and Longitude: 45-43-12 N 120-10-30 W

Radius of Operation: Fixed within 1 kilometer

City and State: Jackass Spring, OR

Latitude and Longitude: 45-31-19 N 120-46-58 W

Radius of Operation: Fixed within 1 kilometer

Site Elevation: 2250' MSL

City and State: Wasco Butte, OR

Latitude and Longitude: 45-36-26 N 121-19-53 W

Radius of Operation: Fixed within 1 kilometer

Site Elevation: 2020' MSL

City and State: Hood River, OR

Latitude and Longitude: 45-40-18 N 121-32-24 W

Radius of Operation: Fixed within 1 kilometer

City and State: Bingen, WA

Latitude and Longitude: 45-42-23 N 121-27-29 W

Radius of Operation: Fixed within 1 kilometer

City and State: The Dalles Airport, WA

Latitude and Longitude: 45-37-16 N 121-10-10 W

Radius of Operation: Fixed within 1 kilometer

Mobile UAS Location

City and State: Boardman Bombing Range, OR
Latitude and Longitude: 45-44-54 N 119-47-38 W
Radius of Operation: 50 Kilometers
Radius includes Boardman Restricted Airspace and Arlington COA
Flight Level: 5,000 ft AGL

Mobile Manned Aircraft Location

City and State: Hood River Airport, OR
Latitude and Longitude: 45-40-18 N 121-32-24 W
Radius of Operation: 16 Kilometers
Flight Level: 3,000 ft AGL

City and State: The Dalles Airport, WA
Latitude and Longitude: 45-37-16 N 121-10-10 W
Radius of Operation: 16 Kilometers
Flight Level: 3,000 ft AGL

Stop Buzzer for this operation is Insitu Operations Action Center at 866-637-4691.