

Submitted by Joel Thorsheim on behalf of Insitu
The Boeing Company
Frequency Management Services
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Why an Experimental License is Necessary:

An experimental license is required to support Unmanned Aircraft System (UAS) development and testing transponder operations.

Frequency: 1090 MHz
Emissions: 11M0M1D
Output Power: 107 Watts ERP

Frequency: 1090 MHz
Emissions: 11M0M1D
Output Power: 316 Watts ERP

Frequency: 1090 MHz
Emissions: 8M24M1D
Output Power: 250 Watts ERP

Table (1) lists the locations/areas of operations, as well as the station class of the operation.

City	State	Latitude	Longitude	Radius (KM)	Station Type
Bingen	WA	45-42-23N	121-27-29W	1	Fixed/Ground
Boardman Restricted Airspace R-5701	OR	45-44-54N	119-47-38W	50	Mobile/Air 10 K Max Flight Level
Arlington COA 2016-WSA-170- COA	OR	45-43-20N	120-10-36W	1.6	Mobile/Air 4K Max Flight Level

Table 1 – Location Data

Operation Period:

Start Date: May 15, 2018

Stop Date: May 14, 2020

Stop Buzzer POC:

Stop Buzzer for this operation is Insitu Operations Action Center at 509-493-4691.