

Submitted by Allen S Lindsay, Sr on behalf of Insitu
The Boeing Company
Global Spectrum Management
P.O. Box 3707 MC: 1K-105
Seattle, WA 98124-2207
425-234-4287 Office

Start Date: 11/1/2022

End Date: 5/1/2023

Why a Special Temporary Authorization (STA) License is Necessary:

An STA is required to support UAS ground testing at the North Bay and Eagle Point production facility in Bingen, WA, and flight and ground testing Pendleton UAS test range using the Scan Eagle 3 platform.

The below tables list the radio frequency equipment specifications, including frequency band of operation, transmitter output power, emissions, antenna types and gains, and maximum ERP.

Table 1 – uAvionix Transponder

Frequency Data	
Transmit	1090 MHz
Transmitter Data	
Transmitter Model	ZPX, ZPX-A,
Transmitter Manufacturer	uAvionix
Transmitter Power Output	316 Watts
Power Output ERP	316 Watts
Emission Data	
Emissions	8M00V1D; 19M0V1D

Table 2 lists the locations/areas of operations, as well as the station class of the operation.

City	State	Latitude	Longitude	Radius (KM)	Station Type
Pendleton UAS Test Range	OR	45-41-21 N	118-50-32 W	2	Mobile/Ground
Pendleton UAS Test Range	OR	45-41-21 N	118-50-32 W	50	Mobile/Airborne 15,000 Feet Altitude
Bingen	WA	45-42-23N	121-27-29W	1	Mobile/Ground

Stop Buzzer POC:

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