

Technical Description

Submitted by Allen Lindsay on behalf of Insitu
The Boeing Company
Global Spectrum Management
P.O. Box 3707 MC: 1K-105
Seattle, WA 98124-2207
Cell: 253-212-6150

Equipment and Frequency Requirements

Purpose

Insitu is requesting a STA to consolidate current transponder licenses that support Scan Eagle and Integrator UAS platforms under call signs WO2XOY, WK2XUB, WP2XOV and WN2XLY.

Operation Description

Insitu will be testing and integrating transponder systems on the Scan Eagle and Integrator UAS platforms.

Aircraft	Transponder	Antenna	Emissions Designator	Power [W]	Antenna Gain [dBi]	Power (ERP) [W]
Integrator	uAvionix ZPX	Dipole	8M00V1D, 19M0V1D	316	2.15	316
Integrator	uAvionix ZPX-A	Dipole	8M00V1D	316	2.15	316
Integrator	uAvionix ping200X	Dipole	8M24M1D	250	2.15	250
Integrator	Sagotech XPC-TR-50	Dipole	11M0M1D	500	2.15	500
ScanEagle	uAvionix ZPX	Monopole/Blade	8M00V1D, 19M0V1D	316	5.15	631
ScanEagle	uAvionix ZPX-A	Monopole/Blade	8M00V1D	316	5.15	631
ScanEagle	uAvionix ping200X	Monopole/Blade	8M24M1D	250	5.15	499
ScanEagle	Sagotech XPC-TR-50	Monopole/Blade	11M0M1D	500	5.15	998

Locations	LAT/LON	Radius	Flight Level	COA #
Pendleton	NL 45-41-21; WL 118-50-32	50 km	ground to 15,000 ft	2025-WSA-17524-COA
Boardman, OR	NL 45-44-54; WL 119-48-15	50 km	ground to 15,000 ft	
Bingen	NL 45-42-23; WL 121-27-29	1 km	ground	
Ballston OR	NL 45-01-53; WL 123-18-59	10 km	ground to 15,000 ft	2024-WSA-11929-REV 2-COA

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