

Submitted by Joel Thorsheim on behalf of Insitu
 The Boeing Company
 Frequency Management Services
 P.O. Box 3707 MC: 1K-105
 Seattle, WA 98124-2207
 425-234-4287 Office

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.

Frequency Data	
Transmit	1370-1390 MHz 1755-1850 MHz 2200-2290 MHz 2360-2390 MHz 4400-4990 MHz
Transmitter Data	
Transmitter Power Output	4 Watts
Power Output ERP	4 Watts
Emission Data	
Emissions	200KG1D and 15M2G1D

Table 1 – Aircraft Data

Frequency Data	
Transmit	1370-1390 MHz 1755-1850 MHz 2200-2290 MHz 2360-2390 MHz 4400-4990 MHz
Transmitter Data	
Transmitter Power Output	4 Watts
Power Output ERP	Maximum Output Power: 1370-1390 MHz: 1208 W 1755-1850 MHz: 960 W 2200-2290 MHz: 3405 W 2360-2390 MHz: 3405 W 4400-4990 MHz: 7448 W
Emission Data	
Emissions	200KG1D and 15M2G1D

Table 2 – Ground Control Station Data

City	State	Latitude	Longitude	Radius (KM)	Station Type
Bingen	WA	45-42-23 N	121-27-29 W	5	Fixed/Ground
Boardman Range Restricted Airspace	OR	45-44-54 N	119-47-38 W	2	Fixed/Ground
Boardman Range Restricted Airspace	OR	45-44-54 N	119-47-38 W	50	Mobile/Airborne 5,000 AGL
Tillamook Near Space Corporation FAA UAS Test Site	OR	45-25-09 N	123-48-52 W	2	Fixed/Ground
Tillamook Near Space Corporation FAA UAS Test Site	OR	45-25-09 N	123-48-52 W	110	Mobile/Airborne 10,000 Feet Altitude
Pendleton UAS Test Range	OR	45-41-21 N	118-50-32 W	2	Fixed/Ground
Pendleton UAS Test Range	OR	45-14-53 N	118-29-56 W	150	Mobile/Airborne 15,000 Feet Altitude
Hood River	OR	NL 45-42-41	WL 121-31-11	5	Fixed/Ground
Hood River	OR	NL 45-40-18	WL 121-32-24	140	Mobile/ Airborne 15,000 Feet Manned Aircraft
Arlington	OR	NL 45-46-58	WL 120-05-20	100	Mobile/ Airborne 20,000 Feet Manned Aircraft
Bald Peter	OR	NL 44-39-22	WL 121-41-33	2	Fixed/ Ground
Long Branch	OR	NL 45-34-31	WL 121-46-12	2	Fixed/ Ground
Grey Butte	OR	NL 44-25-04	WL 121-05-50	2	Fixed/ Ground
Jackass Springs	OR	NL 45-31-19	WL 120-46-58	2	Fixed/ Ground
Dee	OR	NL 45-34-31	WL 121-46-13	2	Fixed/ Ground
Opal City	OR	NL 45-25-04	WL 121-05-51	2	Fixed/ Ground

Table 3 – Location Data

Stop Buzzer POC:

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