

Technical Description

PURPOSE

This STA request is being submitted to support a temporary Unmanned Aircraft System (UAS) system integration and sensor test. The test will use a signal generator on the ground as the transmitter and an airborne passive receiver.

TX Frequency Band	3-30 MHz	31-50 MHz	138-148 MHz 151-156 MHz 157-161 MHz 163-174 MHz	420-450 MHz	2400-2483.5 MHz
TX Model	E4438C	E4438C	E4438C	E4438C	E4438C
TX Manufacturer	Agilent	Agilent	Agilent	Agilent	Agilent
TX Power Output	50 Watts	50 Watts	15 Watts	15 Watts	2 Watts
Antenna Gain	0 dBi	0 dBi	0 dBi	0 dBi	0 dBi
Antenna Type	Dipole	Log Periodic	Log Periodic	Log Periodic	Log Periodic
Power Output ERP	50 Watts	50 Watts	25 Watts	25 Watts	15 Watts
Emissions	N0N	N0N	N0N	N0N	N0N

Table 1 –Ground Signal Generator

City	State	Latitude	Longitude	Radius KM)	Station Type
Bingen	WA	45-42-23 N	121-27-23 W	5	Fixed/Ground
Boardman Bombing Range	OR	45-44-54 N	119-47-38 W	2	Fixed/Ground

Table 2 – Location Data

STOP BUZZER

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

SCHEDULE

Start Date: 15 May 2021

Stop Date: 30 September 2021