

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.

GROUND EQUIPMENT

Manufacturer: Agilent
Model: E4438C ESG Vector Signal Generator

Transmit Output: 50 W
Antenna Gain: 0 dBi
Output ERP: 50 W
Antenna Type: Terminated Folded Dipole
Frequency Band: 3-30 MHz (HF)
Emission: N0N

Transmit Output: 50 W
Antenna Gain: 0 dBi
Output ERP: 50 W
Antenna Type: Log Periodic Antenna
Frequency Band: 30-50 MHz (VHF)
Emission: N0N

Transmit Output: 15
Antenna Gain: 5 dBi
Output ERP: 25 W
Antenna Type: Log Periodic Antenna
Frequency Band: 138-174 MHz (VHF)
Emission: N0N

Transmit Output: 15 W
Antenna Gain: 5 dBi
Output ERP: 25 W
Antenna Type: Log Periodic Antenna
Frequency Band: 420-450 MHz (UHF)
Emission: N0N

Transmit Output: 2 W
Antenna Gain: 11 dBi
Output ERP: 15 W
Antenna Type: Log Periodic Antenna
Frequency Band: 2400- 2483.5 MHz
Emission: N0N

STOP BUZZER

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

SCHEDULE

Start Date: 01 March 2021
Stop Date: 30 June 2021

GROUND LOCATION

Boardman Bombing Range
Boardman, OR
45-44-54 N 119-47-38 W
Fixed ground operations within 1 kilometer radius